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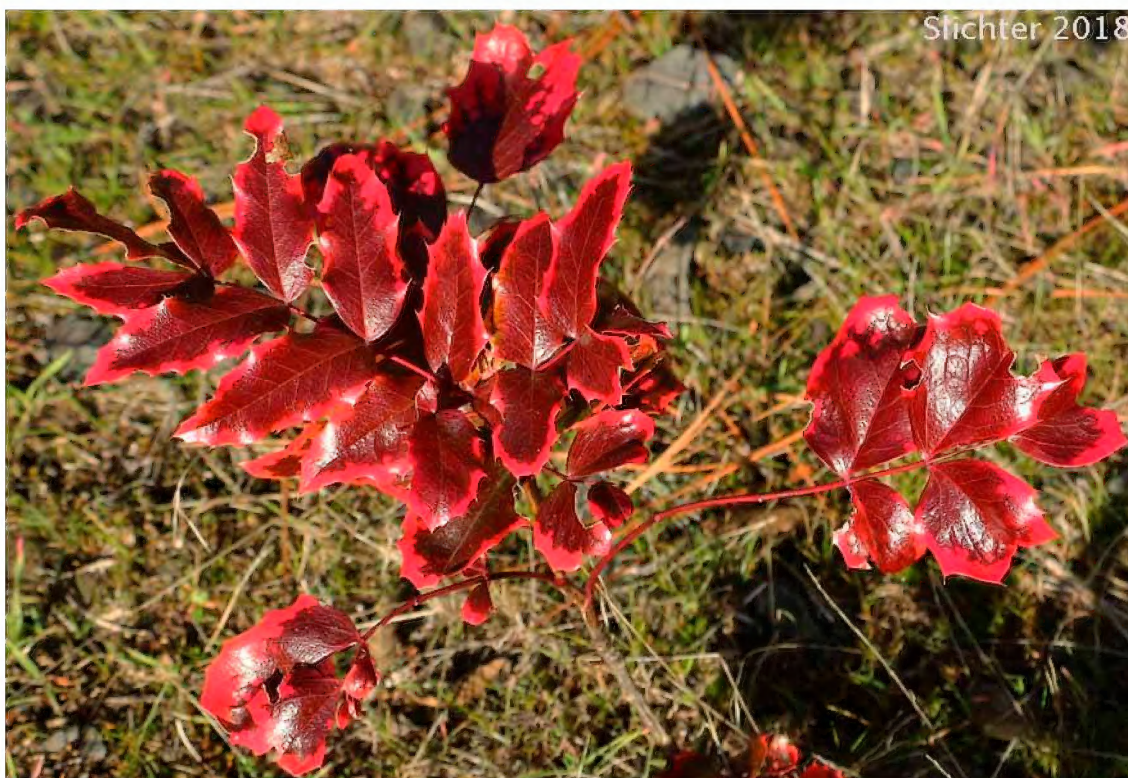


Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study of
Oregon's native plants and habitats

February 2019

Volume 52, No. 1



Happy 2019 from NPSO!

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A few quick notes from the State Board:

NPSO Seeks Candidates

Please consider taking the opportunity to serve our Society by running for election to one of the state-wide officer or at-large board of directors positions. The current NPSO President, Lisa Blackburn, will not be running again for President due to health reasons. We will need a new President (one year term), a new Secretary, and three Directors at-large, who will serve two-year terms. Interested persons and people with ideas for potential candidates may contact Dan Luoma by email (daniel.luoma@oregonstate.edu) for more information.

Website/Membership Update

After a long and arduous process of putting together our beautiful new website in WordPress, and getting the help and advice of many of our members, we came to the last part of our project: the Membership data incorporated into PMPro (a separate application linked to our WordPress site). This application had to be tested for security and accounting accuracy before we could launch. The outcome was that PMPro did not live up to our expectations for an accurate and secure system for our membership data.

At this point, Rare Heron Web Design, our web developer on the new project, has completed their contract. The board has chosen to continue with the old system we've been using for a simple and secure donation/membership page that works with our currently running PayPal credit card processing. This allows us to launch the new website and maintain the integrity of a secure and functional system.

The hard work on the WordPress side will be realized on the new website, and the security and accuracy of our Membership data is ensured. Please support us in the efforts we've made to ensure that our data is protected and safe. Once the WordPress site is configured to run without PMPro, we will announce the launch of the new website. Thank you for your understanding. In the meantime, please renew, if you haven't already, by [visiting our current website](#). You can [renew online](#), or you can print out a [renewal form](#) and send it in with your payment.

**** Dues include the NPSO Bulletin (10 issues/year) & Kalmiopsis (usually once per year). Membership is for the calendar year. New memberships enrolled on or after**

July 1 include the following year.

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As a reminder, if you prefer to read a hard copy, you can click on the link at the top of this email that says "view this email in your browser," and then "print" this e-newsletter as a PDF.

Lastly, when NPSO changed to emailing the Bulletin in place of paper Bulletins through the Post Office, we did not have emails for all members. We still don't, even though we have been working diligently toward that goal. If you know any members who have not been receiving the eBulletin, please forward it to them and encourage them to send their current email address to the membership chair ([membership@NPSOregon.org](mailto:membership@NPSOregon.org)).

If you have any questions, please contact us at [bulletin@npsoregon.org](mailto:bulletin@npsoregon.org).

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## Special Election to Amend NPSO Bylaws

The NPSO Board of Directors is proposing amendments to the NPSO Bylaws to allow for voting by electronic means for bylaw amendments and for the annual election of officers and directors. The current Bylaws specify printing and mailing ballots. Bylaw amendments must be submitted to the membership for voting. **NPSO members will receive ballots in February in the mail.** The proposed amendments are:

## ARTICLE VIII: Elections

### *Section 2: Nominating Committee*

The membership of the Nominating Committee, the list of offices to be filled by election, and the names of the candidates shall be ~~printed~~ in the January *Bulletin*. The names of additional nominees submitted by any group of five (5) or more paid members shall be ~~printed~~ in the February *Bulletin*. The Nominating Committee shall not recommend any member for office without receiving consent of the nominee.

### *Section 3: ~~Mail~~ Ballot*

A ballot including the names of all nominees **and including space for write-ins**, shall be ~~printed with the March *Bulletin* and mailed~~ **sent by mail or electronic means to all paid members as of April 1 of each year with instructions that voting be completed not later than May 1.**

## ARTICLE X: Amendment Procedure

### *Section 2: Adoption*

Amendments so proposed at such duly held meetings shall be submitted to the membership by mail ballot **or electronic means**, and shall require approval by two-thirds of those voting, provided that the proposed amendment(s) shall have ~~been printed~~ appeared in the *Bulletin* and that the ballots to be counted shall be returned to the chair of the vote counting committee ~~postmarked~~ not later than one month after publication and ballot **distribution** ~~mail-out~~. The vote will be counted by a committee of at least two members appointed by the President, and the results reported within two weeks of the closing date ~~of postmark~~.

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## Long-term observations of flowering time by NPSO member Wilbur Bluhm

by Briana Lindh, Willamette University Biology Department

From 1959-2016, Wilbur Bluhm, NPSO Fellow and founding member of the Willamette Valley Chapter, recorded dates of first leaf appearance and first flower for more than 115 plant species in Salem. I have been working with Wilbur to analyze this long-term phenology dataset, and our results were published in the International Journal of Biometeorology in 2018. In addition to the mostly non-native plants of the Willamette campus and the Oregon Capitol State Park, Wilbur's twice-weekly survey included Bush Pasture Park, which supports an Oregon white oak woodland remnant.

The Pacific Northwest has warmed 0.8°C over the past century and is predicted to continue warming into the future at a rate of 0.1 to 0.6°C per decade. Coincident with this warming trend, we detected an increase in the average dates that dormancy broke in several, but not all, of the 115 species. For example, among the earliest flowering species, average spring

phenology advanced 2.5 days per decade from 1959-2016. Osoberry (*Oemleria cerasiformis*), tall Oregon grape (*Berberis aquifolium*) and red flowering currant (*Ribes sanguineum*) leafed out and flowered earlier; Oregon white oak, small camas (*Camassia quamash*) and bleedingheart (*Dicentra formosa*) did not change over time.

Temperatures in the Pacific Northwest are affected by several phenomena. One is warming caused by an increase in atmospheric CO<sub>2</sub> and other greenhouse gases. Another includes the El Nino Southern Oscillation (ENSO), which produces a pattern of two or three cool, wet years followed by two or three drier, warmer years. The Pacific Decadal Oscillation (PDO) produces cooler 10-20 year periods alternating with warmer periods. When Wilbur began collecting data in the 1960s, the region was experiencing a warm period, while the early 1970s were cool. Major shifts in PDO regime occurred in 1977 (warmer) and again in 1998 (cooler). This natural oscillation makes it difficult to assign the cause of the observed temperature increase to one or the other phenomenon.

While warmer winters and springs produce earlier spring leaf out and flowering in some species, the most noticeable climate change in western Oregon is expected to be longer, drier summers. In his 1996-2016 data, Wilbur also recorded phenological events that occur in the fall, such as the onset of fall leaf color and the date of total defoliation. For most species, the first color in leaves occurred about a month earlier in 2016 than it did in 1996. Thus, earlier timing of leaf color change may be caused by summer drought stress.

If you are interested in collecting data on plant phenology, the National Phenology Network's Nature's Notebook website has detailed online protocols and provides datasheets. Any data you submit become part of a nationwide dataset on the effects of climate changes. I am particularly interested in understanding species like Oregon white oak and bleedingheart whose phenologies did not adjust to changes in average annual temperature. Will there be an effect if insect pests and pollinators emerge earlier or later than their normal synchrony with host plants? I also want to know whether species that require winter chilling might flower at a different time in warmer years. Finally, we need to develop indicators for drought severity other than onset of fall color to add to Wilbur's data set.

**Publication:**

Lindh, B.C., McGahan, K.A. and Bluhm, W.L. 2018. Changes in urban plant phenology in the Pacific Northwest from 1959 to 2016: anthropogenic warming and natural oscillation. *International Journal of Biometeorology* 62:1675-1684.

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**Connie Hopkins Battaile**



**Connie Hopkins Battaile**  
**1936-2018**

Connie was born in 1936 in Elkins, West Virginia, to Howard Hopkins and Margaret Fowler Hopkins. She was raised in Waldport, Oregon, where her father was the District Ranger for the US Forest Service. She attended Oregon State College (now OSU) and the University of Oregon, earning a BA in Psychology in 1957.

While an undergraduate student, she met Julian, her future husband. They married in 1958 and by 1962 had settled in Ashland, where he joined the faculty of the chemistry department at Southern Oregon College (now SOU). She became active in a variety of public service and policy organizations, serving as president of the League of Women Voters during a successful effort to update the city charter, the Ashland Citizens Budget Committee, and the Jackson County Planning Commission. She received her master's degree in Library Science from the University of Hawaii in 1976 and worked as a librarian at the Medford Public Library, Southern Oregon State College library, and Colgate University library (Hamilton, NY), retiring from the latter.

Connie wrote two books: *Circulation Services in a Small Academic Library* (1992), and *The Oregon Book: Information A to Z* (1998). Based on her research for *The Oregon Book*, she became a Chautauqua speaker for the Oregon Council for the Humanities (2007-2009). Her talk, "Outside of Ordinary Oregon," focused on little-known events in the state's history such as the Stumbo Strip and the Copperfield Affair.

Her husband Julian died in 2005. She became a Hospice volunteer, and subsequently developed and taught classes for the Osher Lifelong Learning Institute (OLLI) at SOU on "Final Arrangements," making the legal and organizational preparations for dying. After moving to Portland in 2012, she taught the same classes for other organizations, including the Unitarian Church.

A long-time member of the Native Plant Society of Oregon (NPSO), she had a strong interest in

plants, both growing them in her garden and appreciating them in the wild. Connie had a particular interest in willows and willow identification. For many years, she and Julian opened their lovely home every December to the Siskiyou Chapter for a holiday party, a potluck of desserts and friendly conversation. From 2000 to 2005 she and Julian performed field surveys for the Oregon Flora Project, adopting an area of 620 sections in southwest Klamath County. Their botanical inventory included collecting and identifying 670 species of plants. Much of the area was private timberland, heavily harvested by successive ownerships. Connie wrote an Oregon Plants and Places article for the NPSO journal *Kalmiopsis*, “The Pokegama Plateau,” published in 2009. She was a delightful author with whom to work. When one of the editorial board members wanted to change a sentence about their collecting methods, Connie responded, “Oh no, we didn’t use plant presses! We put the plants in between the pages of old phone books we carried in plastic bins.”

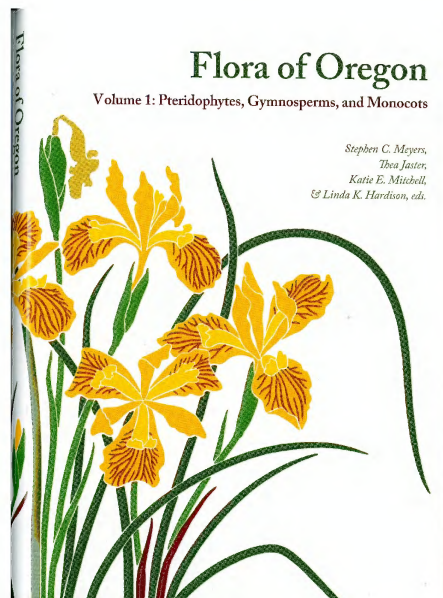
After retiring, she also developed a strong interest in geology, taking college classes at SOU and participating in field trips across the West. For the past few years she was an active member of two Buddhist meditation groups near her home in the Hillsdale neighborhood of Portland. Three months after being diagnosed with terminal cancer, she died peacefully at Hopewell House hospice with her family by her side.

- Memories written by her family, with additions by Cindy Roché, *Kalmiopsis* editor.

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## The Flora of Oregon

**Errata... ops, there are some mistakes in here!**



For many Oregon botanists, winter is a slower time of year, a time to clear up loose ends and prepare for the arrival of spring. Two tasks come to mind: renewing your NPSO membership and prepping your flora. While we are anticipating the arrival of Volume 2 of The Flora of Oregon this summer, now is a good time to pull Volume 1 off the shelf and make some

corrections in it. Perhaps you didn't realize that when a book goes to press, some errors slip through, despite the best efforts of everyone involved. You can save yourself frustration during the field season if you note the corrections in your copy of the book now. Here are the two websites where you can obtain the pdf errata files:

1- The Oregon Flora website has a list of corrections for Volume 1

([http://www.oregonflora.org/errata\\_Vol1.pdf](http://www.oregonflora.org/errata_Vol1.pdf)), and,

2- The Carex Working Group (CWG) lists corrections just for grasses, sedges, Allium, and Juncus (<http://www.carexworkinggroup.com/pages/ofp-errata.pdf>).

In addition to correcting errors, the CWG version includes updates: name changes and species newly discovered or described in Oregon.

- Cindy Roché, Publications Committee.

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## Willamette Valley Chapter Scholarships

### **Students: Take Note!**

STUDENTS, TAKE NOTE:

The Willamette Valley Chapter will once again be offering two scholarships for 3rd and 4th year students who will be enrolling in plant systematics or plant ecology at any Oregon college or university for the 2019-2020 school year. Two qualified applicants will be selected to receive \$1,000 from either the Augusta Rockafellar Memorial Scholarship Fund or the Jean Davis Memorial Scholarship Fund.

Applications will be accepted by mail until **June 1, 2019**. Don't let this opportunity pass you by!

### **Rules for Scholarship Awards:**

1. Scholarships are available to students in Oregon colleges, planning their major study in plant systematics or plant ecology.
2. Scholarships are awarded in the amount of \$1,000 to worthy students who will complete at least two years of satisfactory college work by July 1 of the year of receipt of application and are full time students. Graduate students may be eligible if they meet all qualifications except that of full time student.
3. Awards are made in the following manner:
  - a) A certificate is presented to the recipient.
  - b) A check in the amount of the award is submitted to the school of choice, as set forth in rule 1, to be used toward tuition within the following academic year.

4. If an award recipient fails to enroll, changes his or her major, or leaves the school before completing the period for which the award was granted, the full amount or unused part of the money shall be returned to the Memorial Scholarship Fund.
5. Applicants are required to submit:
  - a) In their own words, a statement of academic and career intent.
  - b) Two letters of reference from persons able to judge the student's ability to successfully complete study in the area of plant systematics or plant ecology.
  - c) Full academic record (transcript).
6. The Scholarship Committee Chair must receive all applications, together with items listed in rule 5, no later than June 1. The award will be made by July 1.
7. Scholarships cannot be granted to Scholarship Committee members or their relatives.

Please mail applications and the required documentation to:

Thomas Jenkins  
Scholarship Committee Chairman  
14380 Salt Creek Rd.  
Dallas, OR 97338

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**[Glide Wildflower Show - April 27-28, 2019](#)**

Appreciation - Education - Conservation

# Glide Wildflower Show



April 27 & 28 ♦ 2019  
9 am to 5 pm  
Photographers' Hour 8 am Sat & Sun

**Over 600 species**  
of Southwest Oregon **wildflowers**, trees & shrubs, **grasses**  
ferns, **lichens**, mosses & **liverworts**

|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Exhibits</b><br/>Beekeeping<br/>Noxious Weeds<br/>Natural Dyes and spinning</p> <p><b>Sales</b><br/>Flora books &amp; posters<br/>Native plants<br/>Food &amp; beverages<br/>Homemade pies</p> | <p><b>Special Presentations</b></p> <ul style="list-style-type: none"> <li>♦ Rare and Unusual Plants of the Umpqua National Forest</li> <li>♦ Bees and Butterflies as Pollinators</li> <li>♦ Medicinal and Edible Plant Uses</li> <li>♦ Guided Wildflower Walks</li> <li>♦ Tour the Show with a Botanist</li> </ul> <p><b>See our website for details!</b></p> |
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Glide Community Center  
Hwy. 138, Glide, Oregon  
[www.glidewildflowershow.org](http://www.glidewildflowershow.org)

**\$3**  
Suggested donation

The Glide Wildflower Show ~ April 27-28, 2019 ~ is perfectly timed this year to close out Native Plant Appreciation Week. We invite your chapter to end the week with a visit to the largest showcase of native flora in the Pacific Northwest.

#### Start with the show:

- Over 600 species of wildflowers, shrubs, trees, mosses, lichens and ferns artfully displayed and labeled
- Special displays of edible and medicinal plants, natural dyes, noxious weeds, beekeeping, spinning, and photos of endangered flowers
- Roving botanists available to answer questions
- Sales of books and field guides; food, drink and homemade pies (a show tradition); and native plants

#### Presentations will include:

- Edible and Medicinal Plant Uses - Wren Davidson, herbalist and owner of Yerba Buena Botanicals in Eugene
- An Introduction to Our Native Bees, the Forgotten Pollinators
- Rare and Unusual Plants of the Umpqua National Forest - Richard Helliwell, US Forest Service botanist
- Guided Wildflower Hike - led by experienced show collectors

#### Then head to the wild side:

- Learn about three dozen species of blooming wildflowers on the Guided Wildflower Walk, led by show collectors along an old-growth forest trail.
- Drive the Rogue-Umpqua National Scenic Byway along the spectacular North Umpqua River.

At every wayside and trailhead, hundreds of wildflowers await.

- Walk a portion of the North Umpqua Trail or one of the waterfall trails along the Byway.

Within 22 miles of the show are 8 trailheads, with even more upriver.

**The details:**

- Location: Glide Community Center, Glide, 17 miles east of Roseburg on Highway 138
- \$3 suggested donation
- 9 am to 5 pm, with a photographers-only hour from 8 to 9 am
- Handicapped accessible

Visit our website at [www.glidewildflowershow.org](http://www.glidewildflowershow.org) for more information. If you have questions or would like advice on planning your group's outing, email [info@glidewildflowershow.org](mailto:info@glidewildflowershow.org).

For other local attractions and lodging:

[Roseburg Visitors Center](#) ~ 541-672-9731

We hope to welcome your NPSO chapter this year as we close Native Plant Appreciation Week!

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## **Save the Date - 2019 Annual Meeting**

**The 2019 Annual State NPSO Meeting will be  
July 12-14th at Forestfarm at Pacifica in Williams**



The Siskiyou Chapter is excited to host the Annual Meeting - the Native Plant Society of Oregon's annual conference - showcasing the spectacular plants of the glorious Siskiyou Mountains in the Applegate Valley. Registration will begin around April, 2019 and is open to all NPSO members. This special event includes programs, hikes, vendors of products related to native plants, local food and wine, and social time. We will be based at Pacifica in Williams.

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# State & Chapter Notes

## State Notes/Announcements:

**State Board Meeting** - the next State Board Meeting is scheduled for April 6th from 10-2pm in Corvallis.

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Chapter Notes:

Blue Mountain

For information on Blue Mountain Chapter, call Jerry Baker, 541-566-2244. To get on our email list, contact flora.id@wtechlink.us.

Cheahmill

For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at ch_president@NPSOregon.org.

Meeting and work party location: Carnegie Room, McMinnville Public Library, [225 NW Adams St.](#) (corner of Highway 99W and SW Second St.), McMinnville. The library parking lot may be entered from either Adams or Second streets. Meetings start at 7 pm. Doors open at 6:45 pm for socializing.

February 28, Thursday, 6:45-8:45pm

Program: Exploring the Natural History of Hawaii

Join us for an overview of this island chain's rapid evolution in isolation, which provides a natural lab for evolutionary ecology of flora and fauna. Speaker entomologist Dr. Frank Howarth, while on the staff of the Bishop Museum in Honolulu, researched the native insects and other plants and animals that adapted to the many different environments in Hawaii, especially caves and new lava flows. The show will also highlight examples of the spectacular adaptive radiations within the flora and fauna of Hawaii including the iconic lobelias and tarweeds. Meetings start at 7 pm. Doors open at 6:45 pm for socializing. Location: McMinnville Public Library, see above for details.

March 2, Saturday, 10 to noon

Work Party: Native Plant Garden at McMinnville Public Library

Spend a couple hours between 10 and noon with a congenial crew and get to know native plants with our new green plant markers. Learn how the beauty, diversity and educational value of this mature demonstration garden is maintained with a minimum of effort. Bring gloves, bucket and gardening tools if you have them. For more information, contact Catie Anderson at catie.fishback@gmail.com or 503-435-2401.

Corvallis

For questions, information on upcoming events, or to be on the Corvallis Chapter email list, contact co_president@NPSOregon.org. Find us on Facebook at facebook.com/CorvallisNPSO.

February 11 at 7:30pm in Room 2087 of Cordley Hall, OSU

Katarina Lunde, Graduate Student in Botany and Plant Pathology at OSU will present "Stranger in a strange land: Impacts of the cinnabar moth in western Oregon." She explains "The management of invasive species is a major ecological challenge in our modern era, and management methods have evolved as we learn from past approaches, including stories unfolding in our own backyard. The cinnabar moth (*Tyria jacobaeae*) was introduced to western Oregon as a biological control agent for tansy ragwort; but was pulled from redistribution after it was found using a native plant, *Senecio triangularis*, as a second host. How does the risk of this unintended interaction compare to the benefit of tansy ragwort suppression? The lab of Dr. Peter McEvoy has gleaned important insights into cinnabar moth dynamics in the decades since their introduction to our ecoregion, and research by master's student Katarina Lunde follows the thread of assessing ecological risk to *Senecio triangularis* by the cinnabar moth. Lunde presents research that investigates the role of cinnabar moth damage to flowers and seeds, in particular, in determining the long-term consequences for *Senecio triangularis* in the Oregon Cascade and Coast Ranges."

Emerald

Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

February 18th, Monday, 7:00pm

Amazon Community Center at 2700 Hilyard St, Eugene

"Wildflowers of the Northern Arizona Mountains"

Dan Luoma and Joyce Eberhart will share their botanical exploration of the mountains of Northern Arizona; including Boynton Canyon, Secret Mountain, and the San Francisco Peaks. Northern Arizona is well known for the stunning summer wildflowers that emerge in response to the monsoon rains. Please join us for this sampling of the plant geography of a highly diverse region.

Filipendula

This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, carlajeancole@gmail.com.

High Desert

For information, visit the High Desert Chapter website: www.highdesertnpsoregon.org and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email highdesertnpso@gmail.com.

Klamath Basin

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com>.

Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at mc_president@NPSOregon.org.

Portland

Take a look at our Facebook page. Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hikes and other events as well as great plant pictures. All hikes and programs are also posted on our Meetup page: <https://www.meetup.com/NPSO-Portland/>

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm. MEETING PLACE: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We will meet in Copeland Commons; enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

** The Portland Chapter is seeking a new chapter president and a new VP of Programs. Please email salixsky@hotmail.com for more information.

February 14, 7:00pm

Program: How Gardeners Can Help Save the World

Presenter: Jane Hartline, Sauvie Island Habitat Partnership

An inspiring story from a super volunteer who saved an ivy choked forest from being logged, stalked rare aquatic plants on Sauvie Island, planted 1000's of starts for habitat restoration, and rallied other volunteers to help. Her message: Put your enthusiasm to work!

March 9th, 8:30am - 4:30pm

Trip/Location: Memaloose Loop, Memaloose State Park, OR

Leaders: Paul Slichter & Susan Saul

Description: Moderate early season wildflower hike in the eastern Gorge, following cross country routes pioneered by Russ Jolley and Nancy Russell that few people have hiked. Hike is about 6-7 miles long with 500' elevation gain. The route includes an old pioneer road, basalt formations and views from McCall Point and the Cherry Orchard in the east to Catherine Creek and Mt. Defiance in the west. We'll look for grass widows, fields of yellow bells, early balsamroots, paintbrush, Columbia desert parsleys and numerous other early flowers. Drive is 140 miles RT. Contact Paul at pslichter@frontier.com or 503-661-3292 for more information and to register. Hike is limited to 12 participants.

March 14, 7:00pm

Program: Saving Liberty Hill, A Basalt Camas Prairie

Presenter: Larissa Huson, Activist for Liberty Hill

A family in St. Helens had to sell off 200+ acres in the late 1980's connected with other Columbia River formations of basalt flows. They now need help from conservation groups to

buy and protect the vanishing Oregon white oak and camas prairie plant communities from mining or development.

March 21st, 8:30am - 4:30pm

Trip/Location: Catherine Creek, WA

Leaders: Ron Klump & Nancy Chapman

Description: The premiere early flower spot in the Gorge where we will search for grass widows, yellow bells, prairie stars, toothworts, several desert parsleys, early glacier lilies and others. Easy walking route of approximately 5 miles with 800-foot elevation gain. Meet at Gateway Park & Ride (Portland) at 8:30am to carpool or at the Catherine Creek trailhead at 10:00am. Approximate return time to Portland is 4:30pm. Drive is 120 miles round trip from Gateway Park & Ride (Portland). Contact Ron at klumpron@gmail.com for more information or to sign-up. Hike is limited to 12 participants.

Siskiyou

To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2018, make a suggestion, or provide feedback regarding the field trip program, please contact Katelyn Detweiler, detweiler.katelyn@gmail.com. Join us on Facebook at:

<https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon>

February 21, Thursday, 7:00pm

Program: Vesper Meadows: A Community Rewilding Project

Join Jeanine Moy, of the Vesper Meadows Restoration and Community Project as she discusses a community-powered ecological rewilding of a degraded wet meadow and upland habitat near Howard Prairie Reservoir. Jeanine will discuss how the property will be managed for imperiled species, native plants, and biodiversity. At both the Rogue and Klamath River headwaters, these 300+ acres are located in a prime site to showcase a unique ecological restoration site in this region. Refreshments at 6:45pm, meeting and program at 7:00pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Alexis at alexislarsen1983@gmail.com or 860-878-2049.

March 21, Thursday, 7:00pm

Program: Fire and Forests of the Rogue Basin

Dry forest communities of the Rogue River Valley were historically tended by frequent fire. Harmful logging practices and exclusion of natural fire have dramatically changed the character of these forests. Dr. Kerry Metlen of The Nature Conservancy will provide a background on local fire ecology then highlight ongoing efforts to restore fire to the region's forests in a way that works for people and nature. Refreshments at 6:45pm, meeting and program at 7:00pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Alexis at alexislarsen1983@gmail.com or 860-878-2049.

April 18, Thursday, 7:00pm

Program: Flora of the Serpentine Outcrops in the Blue Mountains

Scattered here and there in the Blue Mountains of NE Oregon are areas of soil derived from serpentinite. This challenging soil supports a peculiar vegetation. Dick O'Donnell will summarize eight years of field work in an attempt to understand the geology of these outcrops and to inventory their vegetation. Refreshments at 6:45pm, meeting and program at 7:00pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Alexis at alexislarsen1983@gmail.com or 860-878-2049.

Umpqua Valley

Visit umpquavalleynativeplants.com for more information on chapter activities or to be added to our email list. Check out our Facebook page, www.facebook.com/UmpquaValleyNPSO. Not online - call Donna Rawson 541-643-0364.

February 14, Thursday, 7:00pm

Program: The New Oregon Flora Website with Stephen Meyers

Rm 310, Douglas County Courthouse, 1036 NE Douglas Ave, Roseburg; Please join our chapter to greet Stephen and learn more about this great resource. Light refreshments will be served. Stephen Meyers (Taxonomic Director of OregonFlora) will explain and demonstrate the new OregonFlora website. New features include: mapping and creating inventory lists with user selected area maps, multiple entry identification keys, geographic information system (GIS) capabilities, and gardening with native plant species. The mission of the Oregon Flora Project is to serve as the primary steward of Oregon's botanical information and to guide its use and application. If you want to look at the current website and learn more about OregonFlora achievements and future goals visit <http://www.oregonflora.org>. More information: Donna 541-643-0364

Willamette Valley

For program information, contact John Savage at 503-779-5414, john@straubcenter.org.

Thursday, February 14, 6:00 - 7:00 pm

Program: From extinction to recovery? Reintroducing Golden Paintbrush to Oregon

Institute for Applied Ecology's Tom Kaye will review the history of Golden Paintbrush, research on its ecology, restoration actions that have brought it to the brink of recovery, and whether it now can be removed from the list of threatened species.

Species reintroduction may be necessary when protecting it in the wild is not enough to ward off extinction. Golden Paintbrush (*Castilleja levisecta*), a hemiparasite, became locally extinct in Oregon sometime after the late 1930s, but small populations have persisted in Washington and British Columbia.

At least five thriving populations are necessary to recover Golden Paintbrush in Oregon. Guided by experimentation and research, a partnership between the Institute for Applied Ecology, U.S. Fish and Wildlife Service, and several landowners resulted in the planting of several large populations in the Willamette Valley.

The talk is open to the public and no reservations are required. Cost: a \$5 suggested donation

at the door. Location: Eco Hub, Willamette Heritage Center, 1313 Mill Street, Salem. For more information, call John Savage at 503-779-5414 or email john@straubcenter.org.

William Cusick

Chapter notices and communications are done primarily through a Google group. For more information or to be added to the Google group, please contact Susan Geer at 541-963-0477 or susanmgeer@gmail.com. Find us on Instagram at [instagram.com/wm.cusick.chapter](https://www.instagram.com/wm.cusick.chapter). Our website is not currently functional.

Metro's Native Plant Center

Greetings from Metro's Native Plant Center (NPC),

The NPC has a volunteer opportunity that you might be interested in... We are currently recruiting volunteers for the 2019 Seed Conservation Program. Each year, the NPC trains volunteers to scout for rare plant populations and communities on Metro sites and closely observe and document plant phenology - the study of life cycle events/seasonal changes such as vegetative shoots visible, bud formation, flowering and seeds ripe. In addition to tracking phenology, we collect seed from many of the populations for propagation at the NPC.

The Wufoo application can be found here:

<https://metrovolunteer.wufoo.com/forms/z1xbg8p10yyaxo/>

Applications are due by February 2nd at 5pm.

The NPC will host two mandatory trainings: March 16th and June 1st from 9am-1pm. The first training will familiarize you with protocols, waypoints, sharing data and photos. The second training will focus on seed collection techniques and protocols such as labeling seed collection bags, filling out collection forms, bagging seed heads and caging plants to protect from browsing. There will also be an opportunity for volunteer scouts, based on experience and availability, to participate in the collection of voucher specimens for the Portland State University (PSU) herbarium and seed for banking at the Rae Selling Berry Seed Bank at PSU.

Proviso: Seed Scouting is an intensive time commitment with lots of field time (up to 12 hours/month), and post-field data entry. In addition to the time commitment, and timely submission of data, intermediate PNW native herbaceous plant ID skills and familiarity of GPS devices are a plus; the GPS devices are used to navigate around a potentially unfamiliar site and also used to collect coordinates on plant populations and communities.

OregonFlora



By: Dr. Linda K. Hardison

Director, [Oregon Flora Project](http://www.oregonflora.org)

OregonFlora is developing a comprehensive reference about the plants of Oregon that includes distribution maps, images of live plants and herbarium specimens, descriptions, and identification tools. The information is available to the public via our website, www.oregonflora.org. Funding for the direct operating expenses of the OregonFlora program comes exclusively from competitive grants and donations from organizations and individuals. The contributions people give of their time and financial resources are a critical part of our operating budget. If you would like to be a part of the team that keeps OregonFlora progressing, please contact us at ofpflora@oregonflora.org, or phone 541-737-4338.

We gratefully accept your donations online (www.oregonflora.org/supportOFP.php) or mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320, Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include "OregonFlora" on the memo line.



EarthShare:
Supporting the cause of your choice
has never been easier!

How concerned are you about the quality of air you breathe or water you drink? What about the natural areas you visit - would you like to visit them 10, 20 or 50 years from now? With so many threats to our natural environment, we count on conservation groups to protect our forests, farmland, streams and air quality. NPSO is a member of EarthShare Oregon, a nonprofit that makes it easy for employees across Oregon to support nearly more than 100 of the best environmental organizations here at home, and coast to coast.

If you work for the State of Oregon, Kaiser Permanente, NW Natural, PGE, or one of more than 100 employers (earthshare-oregon.org/workplace-programs to see the list), you can make one-time or regular donations from your paycheck - just by signing up once a year. It's simple and easy, and many employers match your gift.

Please contribute today through EarthShare to restore our forests, reduce landfill waste, develop clean energy, protect threatened land, and safeguard our streams. When you do, you're not only protecting Oregon's environmental legacy, you're inspiring others to share in that responsibility.

If your workplace does not offer EarthShare Oregon, establishing a partnership is easy. EarthShare staff will work with your employer to set up a program that meets your company's needs. To learn more about EarthShare Oregon and workplace giving campaigns, visit earthshare-oregon.org.



Website



Facebook

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Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study of
Oregon's native plants and habitats

March 2019

Volume 52, No. 2



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NPSO Seeks Candidates

Please consider taking the opportunity to serve our Society by running for election to one of the state-wide officer or at-large board of directors positions. The current NPSO President, Lisa Blackburn, will not be running again for President due to health reasons. We will need a new President (one year term), a new Secretary, and three Directors at-large, who will serve two-year terms. Interested persons and people with ideas for potential candidates may contact Dan Luoma by email (daniel.luoma@oregonstate.edu) for more information.

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As a reminder, if you prefer to read a hard copy, you can click on the link at the top of this email that says "view this email in your browser," and then "print" this e-newsletter as a PDF.

Lastly, when NPSO changed to emailing the Bulletin in place of paper Bulletins through the Post Office, we did not have emails for all members. We still don't, even though we have been working diligently toward that goal. If you know any members who have not been receiving the eBulletin, please forward it to them and encourage them to send their current email address to the membership chair ([membership@NPSOregon.org](mailto:membership@NPSOregon.org)).

If you have any questions, please contact us at [bulletin@npsoregon.org](mailto:bulletin@npsoregon.org).

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## **Rare Plant Corner: Mountain lady's slipper (*Cypripedium montanum*) on the Deschutes National Forest**

Elizabeth Johnson, District Botanist, Sisters Ranger District

Photos by Kermit Williams



Mountain lady's slipper is a strikingly attractive plant—and that's one of its downsides.

The locations of this eye-catching, maroon-and-white orchid are kept secret on the Deschutes National Forest due to concerns of theft. Susan Orlean's best-selling book, "The Orchid Thief: A True Story of Beauty and Obsession," is a good read if you want to learn more about orchid theft on a national level.

Locally, the Deschutes National Forest has fewer than a dozen known populations, and there is some indication that one of these may have fallen victim to theft. It wasn't revisited for many years, but when it was, the plant couldn't be relocated. The search turned up a depression in the vicinity of the GPS location, indicating that it might have been dug up. Mountain lady's slipper thefts are especially bad—when the plants are moved, they're doomed. Like many other species, mountain lady's slippers require a specific symbiotic fungus that does not transplant well. Other known threats include habitat conversion (such as housing developments), road construction, wildfire, and logging.

This lovely orchid is long-lived and rhizomatous, with both sexual and asexual reproduction. It can take four or more years for a plant to begin flowering, with each flower producing thousands of tiny seeds. Plants are 8 to 28 inches tall with 5 to 7 sessile, broadly elliptic leaves that alternate from erect stems. Inflorescences consist of 1 to 3 flowers, each with dark magenta-brown petals and sepals and a large white lip with deep magenta venation.

On the Deschutes National Forest, the only known populations are on the Sisters Ranger District. Until recently, all known sites were north of Highway 20. In 2016, a volunteer found an additional population on Black Crater. It was within the boundaries of the 2017 Milli fire and could not be relocated in 2018. The Sisters Ranger District plans to regularly resurvey for it, hoping it recovers.

Our lack of knowledge about the biology and ecological requirements of this species limits our ability to manage it. It is listed as “Survey and Manage” under the Northwest Forest Plan and is on the IUCN Red List as vulnerable and continuing to decline. It has a wide range—from Alaska south to California, and east into Idaho, Montana, and Wyoming—but the populations are small and far apart. It is not on the sensitive species list for the Pacific Northwest, but does make the list for most other portions of its range. In Oregon, the Forest Service maintains population data within the range of the Northern Spotted Owl, but not elsewhere. It is mostly found in montane forests near openings, often in association with Douglas-fir (*Pseudotsuga menziesii*).

Local populations typically flower between mid-May and mid-June. On the Sisters Ranger District, we have been fortunate to have a volunteer revisit our known sites for the last few years (and even find an additional population). Many of the sites are within the outline of an old wildfire, and natural succession has resulted in an increase of shrub cover. This has made it increasingly difficult to revisit these sites. Overall, the known populations are healthy, although there is concern that shrubs may slowly shade and outcompete the orchids. Counts in other locations are known to be highly variable by year, so determining long-term trends is especially difficult.



Although the species occurs in a broad range of habitats, it is so uncommon that we have not been able to determine any specific requirements for survival. In addition, the literature is contradictory. Thus, management recommendations mostly fall into the category of “doing no harm,” by avoiding direct mechanical damage, and maintaining existing moisture, temperature, and overstory canopy conditions.

Although the Sisters Ranger District won’t generally give out known locations, we greatly appreciate reports of populations from botanists and the public. Please inform the local district botanist if you find this species; photos are appreciated, as well. But if you use a GPS-enabled camera, please don’t share the photos on public social media sites (or with anyone who might reshare them) unless location information is disabled on the camera.

The accepted name in the Oregon Flora Project is mountain lady slipper. As a nation-wide agency, the Forest Service uses the USDA P.L.A.N.T.S. database accepted common name mountain lady's slipper.

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## 2016 Field Research Grant Report

### Taxonomic Revision of the *Lomatium packardiae* Species Complex By Michael Ottenlips



A specimen of *Lomatium packardiae* collected in Malheur County in the Owyhee region of Eastern Oregon. Collection was made in spring of 2016 with financial assistance from the NPSO.

A field botanist once said that, in order to properly identifying a *Lomatium* species, “you need to be in two times and two places at once: above ground in early spring and summer for flowers and mature fruits and below ground to see the roots.” Even with all three characters present due to some stroke of luck, or after a perusal of many herbarium sheets, one is still confronted with thirty or so narrow endemics whose distributions span a county or less, or are found only on rare soils that would take a geologist to identify! What happens when botanical and geological experts who have flowers, fruits, roots and an intimate knowledge of local endemics still can’t the species in hand? Here, the addition of external data sources, such as DNA evidence, becomes necessary to understand the taxonomy and evolutionary relationships among the taxa.

A variety of closely related and morphologically similar *Lomatium* species, which have traditionally been treated as their own species, varieties, or subspecies of *Lomatium triternatum*, are found throughout the dry interior of the Pacific Northwest (Oregon, Idaho, and Washington). All have similar flower color (yellow), stature (low-growing and/or bunched), and basic leaf shape (leaves that are divided into three and three again). However, their differing geography, soil types, fruits, inflorescences, and distinctive leaf shapes were considered diagnostic until researchers at Boise State and the College of Idaho uncovered preliminary evidence suggesting that some plants, which have wide leaflets and are found in the Camas Prairie Grangeville, Idaho, were not genetically distinct from *Lomatium packardiae* populations in the Owyhee region of southeastern Oregon.

Possible explanations for this bizarre finding included that these populations were one species and the wetter rich environment of the Camas Prairie causes plants to grow more robustly than their southern counterparts in the desert. However, collections of wide leaflet plants have also been made in the dry and rocky Hell's Canyon area, suggesting that the environment is not the predominant factor in determining their morphology. Other explanations include hybridization or other evolutionary phenomena. New development in advanced DNA sequencing technology in conjunction with statistical programs allow researchers to unravel these evolutionary relationships.

Utilizing these new techniques and additional morphological and geographic data, we discovered that *Lomatium packardiae* populations from the Owyhees are distinct from the Camas Prairie and Hell's Canyon populations. *Lomatium packardiae* appears to be a separately evolving taxon, which is important because it is a listed species in Oregon. Thus, our research indicated that continued conservation measures are warranted for *Lomatium packardiae*.

The Native Plant Society of Oregon's field research grant was instrumental in providing financial resources to collect *Lomatium* samples for this research.

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## 2019 Annual Meeting

### **The 2019 Annual State NPSO Meeting will be July 12-14th at Forestfarm at Pacifica in Williams**

The Siskiyou Chapter is honored to be hosting the 2019 Annual Meeting of the Native Plant Society of Oregon (NPSO). We will be based at [Pacifica](#) ("A Garden in the Siskiyou") in Williams, Oregon. The meeting will highlight the beauty of the Applegate Valley and the special plants of the Siskiyou Mountains. The field trips will feature the Siskiyou Crest including Big Red Mountain, Dutchman Peak, Cook & Green Pass, Red Buttes Wilderness, Miller Lake, Grayback Mountain, and Bigelow Lakes. Our special guest speakers will be Michael Kauffmann, plant explorer and author of [Conifer Country: A Natural History and Hiking Guide to the Conifers of the Klamath Mountain Region](#), and Luke Ruediger, naturalist and author of [Siskiyou Crest: Hikes, History, and Ecology](#).

This will be the first Annual Meeting in which online registration will be available and strongly encouraged, although we will also accommodate registration by mail. This year, we will aim for a zero waste event and request that participants bring their own tableware and napkins. A hygienic washing station will be available.

Remember that only current NPSO members can attend Annual Meetings, so please join or renew your membership. Registration information will be available in the April Bulletin.

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# Glide Wildflower Show - April 27-28, 2019

Appreciation - Education - Conservation

# Glide Wildflower Show

April 27 & 28 ♦ 2019  
9 am to 5 pm  
Photographers' Hour 8 am Sat & Sun

Over 600 species  
of Southwest Oregon **wildflowers**, trees & shrubs, **grasses**  
ferns, **lichens**, mosses & **liverworts**

**Exhibits**  
Beekeeping  
Noxious Weeds  
Natural Dyes and spinning

**Sales**  
Flora books & posters  
Native plants  
Food & beverages  
Homemade pies

**Special Presentations**  
♦ Rare and Unusual Plants of the  
Umpqua National Forest  
♦ Bees and Butterflies as Pollinators  
♦ Medicinal and Edible Plant Uses  
♦ Guided Wildflower Walks  
♦ Tour the Show with a Botanist

**See our website for details!**

  Glide Community Center  
Hwy. 138, Glide, Oregon  
[www.glidewildflowershow.org](http://www.glidewildflowershow.org)

**\$3**  
Suggested  
donation

The Glide Wildflower Show ~ April 27-28, 2019 ~ is perfectly timed this year to close out Native Plant Appreciation Week. We invite your chapter to end the week with a visit to the largest showcase of native flora in the Pacific Northwest.

## **Start with the show:**

- Over 600 species of wildflowers, shrubs, trees, mosses, lichens and ferns artfully displayed and labeled
- Special displays of edible and medicinal plants, natural dyes, noxious weeds, beekeeping, spinning, and photos of endangered flowers
- Roving botanists available to answer questions
- Sales of books and field guides; food, drink and homemade pies (a show tradition); and native plants

## **Presentations will include:**

- Edible and Medicinal Plant Uses - Wren Davidson, herbalist and owner of Yerba Buena Botanicals in Eugene
- An Introduction to Our Native Bees, the Forgotten Pollinators
- Rare and Unusual Plants of the Umpqua National Forest - Richard Helliwell, US Forest Service botanist
- Guided Wildflower Hike - led by experienced show collectors

**Then head to the wild side:**

- Learn about three dozen species of blooming wildflowers on the Guided Wildflower Walk, led by show collectors along an old-growth forest trail.
- Drive the Rogue-Umpqua National Scenic Byway along the spectacular North Umpqua River. At every wayside and trailhead, hundreds of wildflowers await.
  - Walk a portion of the North Umpqua Trail or one of the waterfall trails along the Byway. Within 22 miles of the show are 8 trailheads, with even more upriver.

**The details:**

- Location: Glide Community Center, Glide, 17 miles east of Roseburg on Highway 138
- \$3 suggested donation
- 9 am to 5 pm, with a photographers-only hour from 8 to 9 am
- Handicapped accessible

Visit our website at [www.glidewildflowershow.org](http://www.glidewildflowershow.org) for more information. If you have questions or would like advice on planning your group's outing, email [info@glidewildflowershow.org](mailto:info@glidewildflowershow.org).

For other local attractions and lodging:  
[Roseburg Visitors Center](#) ~ 541-672-9731

We hope to welcome your NPSO chapter this year as we close Native Plant Appreciation Week!

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## It's Native Plant Sale Season!



Many local organizations are currently hosting their annual native plant sales. [Check out the NPSO website](#) for a list of sales, or follow up with your local Soil & Water Conservation District for more information and resources.

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# Willamette Valley Chapter Scholarships

## Students: Take Note!

The Willamette Valley Chapter will once again be offering two scholarships for 3rd and 4th year students who will be enrolling in plant systematics or plant ecology at any Oregon college or university for the 2019-2020 school year. Two qualified applicants will be selected to receive \$1,000 from either the Augusta Rockafellar Memorial Scholarship Fund or the Jean Davis Memorial Scholarship Fund.

Applications will be accepted by mail until **June 1, 2019**. Don't let this opportunity pass you by!

### Rules for Scholarship Awards:

1. Scholarships are available to students in Oregon colleges, planning their major study in plant systematics or plant ecology.
2. Scholarships are awarded in the amount of \$1,000 to worthy students who will complete at least two years of satisfactory college work by July 1 of the year of receipt of application and are full time students. Graduate students may be eligible if they meet all qualifications except that of full time student.
3. Awards are made in the following manner:
  - a) A certificate is presented to the recipient.
  - b) A check in the amount of the award is submitted to the school of choice, as set forth in rule 1, to be used toward tuition within the following academic year.
4. If an award recipient fails to enroll, changes his or her major, or leaves the school before completing the period for which the award was granted, the full amount or unused part of the money shall be returned to the Memorial Scholarship Fund.
5. Applicants are required to submit:
  - a) In their own words, a statement of academic and career intent.
  - b) Two letters of reference from persons able to judge the student's ability to successfully complete study in the area of plant systematics or plant ecology.
  - c) Full academic record (transcript).
6. The Scholarship Committee Chair must receive all applications, together with items listed in rule 5, no later than June 1. The award will be made by July 1.
7. Scholarships cannot be granted to Scholarship Committee members or their relatives.

Please mail applications and the required documentation to:  
Thomas Jenkins

Scholarship Committee Chairman  
14380 Salt Creek Rd.  
Dallas, OR 97338

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## State & Chapter Notes

### **State Notes/Announcements:**

**State Board Meeting** - The next State Board Meeting is scheduled for April 6th from 10:00am-2:00pm in Corvallis.

**Native Plant Appreciation Week** - Native Plant Appreciation week will be April 21-27, 2019. Plan your local chapter's activities to celebrate this statewide (and regional) educational event!

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Chapter Notes:

Blue Mountain

For information on Blue Mountain Chapter, call Jerry Baker, 541-566-2244. To get on our email list, contact flora.id@wtechlink.us.

Cheahmill

For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at ch_president@NPSOregon.org.

Meeting and work party location: Carnegie Room, McMinnville Public Library, [225 NW Adams St.](#) (corner of Highway 99W and SW Second St.), McMinnville. The library parking lot may be entered from either Adams or Second streets. Meetings start at 7 pm. Doors open at 6:45 pm for socializing.

March 28, Thursday, 6:45 to 8:45 pm

Program: Growing native plants in the home garden

Joyce Eberhart, Senior Faculty Research Assistant at Oregon State University, will cover many topics related to growing native plants in home gardens. She will share photos of her favorite plants, discuss how we define a native plant, why you should garden with them, what factors to consider in selecting plants, and aspects of designing a landscape. She will also share her favorite books and websites for identifying, selecting, and planting native species. Location: McMinnville Public Library, see above for details.

March 30, Saturday, 10 to noon

Work Party: Native Plant Garden at McMinnville Public Library

Spend a couple of hours between 10am and noon with a congenial crew and get to know native plants with our new green plant markers. Learn how the beauty, diversity and educational value of this mature demonstration garden is maintained with a minimum of effort. Bring gloves, bucket and gardening tools if you have them. For more information, contact Catie Anderson at catie.fishback@gmail.com or 503-435-2401.

Corvallis

For questions, information on upcoming events, or to be on the Corvallis Chapter email list, contact co_president@NPSOregon.org. Find us on Facebook at facebook.com/CorvallisNPSO.

March Meeting: March 11, 2019, 7:30pm

Room 2087 of Cordley Hall, OSU

Linda Hardison and Thea Jaster of the Oregon Flora Project will present new functionality in the OFP website. They explain, "OregonFlora is on the cusp of launching new tools on its website to engage anyone curious about the plants of Oregon.

- Head into the wilderness informed with a species list customized for your destination.
 - Identify any species in Oregon by simply tagging your location on a map and filtering on plant characters you recognize.
 - Interested in creating specific habitats or supporting wildlife in your garden? Our native gardening tools help you select the right species for your needs and interests.
 - Create a checklist of the plants of any area you define with our mapping feature.
- What we have been dreaming and creating for several years is now a reality. We're delighted to give you a tour so you can start enjoying this engaging new website to deepen your understanding of the Oregon flora."

Emerald

Our chapter meets the 3rd Monday at 7pm through April, at the Amazon Community Center. Visit the Emerald Chapter website at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

We want you! If you have leadership or coordination experience, are looking to build your resume, or enjoy sharing your knowledge of native plants, we want to hear from you! The Emerald Chapter is currently seeking officers to join our active board. Positions include president, vice president, secretary, and publicity and field trip committee chairs. If interested, please send an email to em_president@npsoregon.org.

March 18, 2019, 7:00pm, Amazon Community Center

"When plants flower" by Briana Lindh

Detecting changes in spring flowering dates since 1960 using data from long-time NPSO member Wilbur Bluhm. This interesting data will help us look at the responses of native plants, camas, red-flowering currant and some garden plants, to anthropogenic climate change and natural climate oscillation.

Filipendula

For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, carlajeancole@gmail.com.

All year: North Oregon Restoration Partnership potting days in Tillamook, OR at the nursery, with Maysa Miller

We will share the volunteer activity dates, and encourage everyone to join during the year to help the nursery with potting up native plants. It's a great way to pick up new skills in potting and handling native plants. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

April 20th, Saturday, 9:00am-1:00pm

Collect plant specimens and use the new *Flora of the Pacific Northwest* to identify plants with Kathleen Sayce, and possibly plant drawing with Darota Faber-Leigh.

Location: Ft. Clatsop at the Netul Room. We will provide plant presses, some specimen materials to put in the presses, and have a few copies of the *Flora of the PNW*, 2nd edition. Bring your own copy if you have one. For sketching native plants, bring a sketch pad and colored pencils. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

High Desert

For information, visit the High Desert Chapter website: www.highdesertnpsoregon.org and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email highdesertnpso@gmail.com.

Klamath Basin

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com>.

Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at mc_president@NPSOregon.org.

Portland

Take a look at our Facebook page. Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hikes and other events as well as great plant pictures. All hikes and programs are also posted on our Meetup page: <https://www.meetup.com/NPSO-Portland/>

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm. MEETING PLACE: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We will meet in Copeland Commons; enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

**** The Portland Chapter is seeking a new chapter president and a new VP of Programs. Please email salixsky@hotmail.com for more information.**

March 14, 7:00pm

Program: Saving Liberty Hill, A Basalt Camas Prairie

Presenter: Larissa Huson, Activist for Liberty Hill

A family in St. Helens had to sell off 200+ acres in the late 1980's connected with other Columbia River formations of basalt flows. They now need help from conservation groups to buy and protect the vanishing Oregon white oak and camas prairie plant communities from mining or development.

March 16th, 8:30am - 4:30pm

Trip/Location: Memaloose Loop, Memaloose State Park, OR

Leaders: Paul Slichter & Susan Saul

Description: Moderate early season wildflower hike in the eastern Gorge, following cross country routes pioneered by Russ Jolley and Nancy Russell that few people have hiked. Hike is about 6-7 miles long with 500' elevation gain. The route includes an old pioneer road, basalt formations and views from McCall Point and the Cherry Orchard in the east to Catherine Creek and Mt. Defiance in the west. We'll look for grass widows, fields of yellow bells, early balsamroots, paintbrush, Columbia desert parsleys and numerous other early flowers. Drive is 140 miles RT. Contact Paul at pslichter@frontier.com or 503-661-3292 for more information and to register. Hike is limited to 12 participants.

March 21st, 8:30am - 4:30pm

Trip/Location: Catherine Creek, WA

Leaders: Ron Klump & Nancy Chapman

Description: The premiere early flower spot in the Gorge where we will search for grass widows, yellow bells, prairie stars, toothworts, several desert parsleys, early glacier lilies and others. Easy walking route of approximately 5 miles with 800-foot elevation gain. Meet at Gateway Park & Ride (Portland) at 8:30am to carpool or at the Catherine Creek trailhead at 10:00am. Approximate return time to Portland is 4:30pm. Drive is 120 miles round trip from Gateway Park & Ride (Portland). Contact Ron at klumpron@gmail.com for more information or to sign-up. Hike is limited to 12 participants.

April 6th, 1:00 - 4:00pm

Volunteer Work Party at Nob Hill Nature Park

Help remove lunaria and blackberry from the city's property below the bluff at Nob Hill Nature Park in St Helens. The Scappoose Bay Watershed Council and Friends of Nob Hill Nature Park invite you to join the semi-annual volunteer work party on Saturday, April 6 from 1 to 4 PM. Nob Hill Nature Park is an oak woodland overlooking the Columbia River. The Friends of NHNP have been restoring the site since 2004. Meet at the city's water treatment plant, 451 Plymouth Street, in St. Helens. Volunteers are welcome. Pre-registration is requested by Friday, April 5 by calling Scappoose Bay Watershed Council at 503-397-7904. Or e-mail pat@scappoosebay-wc.org.

April 11th, 7:00pm

Program: Preservation of OR White Oaks at Washougal Oaks/Lacamas Prairie Natural Areas

Presenter: Carlo Abbruzzese, Pacific Cascades Region, Natural Areas Manager, WDNR

Carlo will provide background on DNR's statewide Natural Areas Program and will describe the preservation and restoration of *Quercus garyana* (Oregon white oak) forest and Willamette Valley wet prairie in two Clark County, Washington natural areas. The talk will describe some of the rare plant and animal species that are protected at these sites as well as the successes and failures in trying to restore these sensitive habitats. At Washougal Oaks Natural Area, Douglas fir trees were thinned around Oregon white oak trees to prevent overtopping and eventually killing of oak trees. At Lacamas Prairie Natural Area, wet prairie is being restored using prescribed fire, control of non-native grasses, and the seeding and planting of native prairie plants.

April 13th, 1:00pm - 3:00pm

Trip/Location: Nob Hill Nature Park, St. Helens, OR

Leaders: Caroline Skinner & Joan Rainey

Description: Join the Friends of Nob Hill Nature Park and NPSO for an easy, low-key stroll through Nob Hill Nature Park to view fawn and chocolate lilies and more in an area currently undergoing restoration. NHNP is a 6.6-acre oak woodland, perched on a basalt bluff. It overlooks the Columbia River. Come visit and give your input on plants found in this lower-Columbia River ecosystem. Poison oak is common off well-maintained trails. Long pants and long sleeves are suggested. This event is on, rain or shine. (Pre-registration not needed.)

Directions: NHNP is 30 miles north of Portland, off Hwy 30, in St Helens. Meet at city's wastewater treatment facility across from park at 1 PM. Allow about 45 minutes drive time from Portland. Coming from Portland, take Hwy 30 north, past Sauvie Island and past Scappoose. At the WalMart in St Helens, turn right on Gable Road. Go toward the river. Bear right on Plymouth Street and keep bearing right until you see the wastewater treatment plant on the right. There is plenty of easy parking across from the park's main entrance. A plant list is available by request by calling Caroline at 503-248-9719.

April 18th, 9:00am - 1:30pm

Trip/Location: Lacamas and Round Lakes, Camas, WA

Leaders: Ron Klump & Nancy Chapman

Description: Easy hike about 4 mile loop along lakefront and through forested slopes, flowered meadows, and riparian areas. Hope to catch camas and avalanche lilies in bloom in the oak balds. Contact Ron at klumpron@gmail.com for more information on where to meet and to sign-up.

April 20th, 8:30am - 4:30pm

Trip/Location: Memaloose Hills, Memaloose State Park, OR

Leaders: Clarice Johnston & Beth Magnus

Description: Wildflower hike in the east Gorge, moderate, 5-6 miles, 800-foot elevation gain. The hike is best done for the first time with someone who knows the trail. It is

jam-packed with a large variety of flower species, including the rare violet suksdorfia and big shows of balsamroot. It boasts a pioneer road, basalt formations, several lovely views of the Columbia River and views of both Mt. Hood and Mt. Adams. Located just east of the town of Mosier, this hike was a favorite of Russ Jolley's. Meet at the Gateway Park & Ride (Portland) at 8:30am to carpool or at the Memaloose Overlook trailhead at 10:00am. Drive is 140 miles round-trip from Gateway Park & Ride (NE Portland). Contact Clarice at eclaricej@gmail.com for more information and to sign up.

April 25th, 8:30am - 4:30pm

Trip/Location: McCall Point, Tom McCall Nature Preserve, OR

Leaders: Mary Hayden & Willow Elliott

Description: Wildflower hike in the east Gorge near Mayer State Park, moderate, 3.25-mile out-and-back hike, 1070-foot elevation gain. Hike up meadowed slopes on an improved gravel trail lined with balsamroot offering stunning views of the Columbia River and the Rowena Plateau. Meet at the Gateway Park & Ride (Portland) at 8:30am to carpool or at the McCall Point trailhead at 10:00am at Rowena Crest. Drive is 150 miles round-trip from Gateway Park & Ride (Portland). Prepare for ticks. Contact Mary at hayden.mary.k@gmail.com for more info and to sign-up.

April 27, 2019, 8:00 am to 4:00 pm

PREMIER FIELD TRIP (for Members only)

Trip/Location: Lacamas Prairie Natural Area, Vancouver WA (near Camas)

Leaders: Carlo Abbruzzese and Willow Elliott

A short 1 mile flat hike through a seasonally wet area (rubber boots or waterproof footwear required). This combined natural area preserve (NAP) and natural resources conservation area (NRCA) protects the best known remnant of the Willamette Valley wet prairie ecosystem in Washington. Lacamas Prairie Natural Area also protects one of the largest populations of Bradshaw's lomatium, which is federally listed as "endangered". The site also protects populations of five other rare plant species. The prairie remnant occurs in a native valley landscape mosaic with Oregon white oak woodland and Oregon ash wetland forest. The NAP and NRCA combined currently include 189 acres. Features Protected: Bradshaw's lomatium, Oregon coyote-thistle, Hall's aster, dense sedge, Nuttall's quillwort, small-flowered trillium, Willamette Valley wet prairie, and Oregon white oak woodland.

Sign ups will be required by joining the NPSO-Portland Chapter group at <https://www.meetup.com/NPSO-Portland/>.

April 29th, 5:30pm - 7:30pm

Trip/Location: Canemah Bluff, Oregon City

Leader: Jason Clinch

Description: Join us for a tour of Metro's Canemah Bluff Natural Area above the historic riverboat community of Canemah just off of US 99E south of downtown Oregon City. It features restored meadows full of Camas, Brodiaea, Lilies, Rosy Plectritis, and oak and fir woodlands with many other native plants. The diversity of habitats include Oregon white oak and Pacific madrone. Metro's science team has removed invasive plants and strategically thinned trees that compete with oaks to help restore the oak habitat for

the plants and animals that depend on it. The 2013 Natural Areas Levy has enabled Metro to improve access for all people by adding ADA access, improving the trails through the prairie, and by adding a nice overlook feature with subtle art installations along the way from local artists. This hike is limited to 12 people and parking is very limited so please carpool. Address: 815 4th Ave., Oregon City, OR. Contact Jason at jason.clinch@gmail.com for more information or to sign-up.

Siskiyou

To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2018, make a suggestion, or provide feedback regarding the field trip program, please contact Katelyn Detweiler, detweiler.katelyn@gmail.com. Join us on Facebook at: <https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon>

March 2nd, 10:00am

Lichen Search with Lichenologist John Villella

Join lichenologist John Villella this spring for a walk around Lithia Park looking for lichens. The communities of lichens and bryophytes that occur on trees and shrubs are common but often overlooked. If you look closely you can see that they tell a story about the environmental conditions around them - they are bioindicators. Join us on a walk through Lithia Park where urban adapted species blend with forest species. Using these epiphytes, we will learn how to interpret air quality and the health conditions of the forest. We will also discuss the role of lichens and bryophytes for wildlife, nutrient cycling, and canopy ecology. For more information or to sign up please contact Katelyn Detweiler at Detweiler.katelyn@gmail.com.

March 11th, 11:00am-4:00pm

Restoration at French Flat Area of Critical Environmental Concern

Siskiyou Chapter of the Native Plant Society of Oregon, KS Wild, BLM, the Illinois Valley Soil and Conservation District and the Illinois Valley Watershed Council joins together again to help with yet another habitat restoration project, this time at French Flat Area of Critical Environmental Concern (ACEC). French Flat ACEC is home to a large meadow with a population of federally endangered lomatium - *Lomatium cookii*. The BLM plans to protect the lomatium population by building a fence along the property boundary between the private property and BLM protected botanical meadow. BLM needs help getting fence materials to the site since it can't be accessed via a road. Volunteers must be prepared to carry wooden fence poles to the meadow in preparation for fence building which will occur at a later date. Bring a sack lunch, water, closed toed shoes, and warm comfortable work clothes. For more information or to sign up please contact Katelyn Detweiler at Detweiler.katelyn@gmail.com.

March 21, 7:00pm

Program: Fire and Forests of the Rogue Basin

Dry forest communities of the Rogue River Valley were historically tended by frequent fire. Harmful logging practices and exclusion of natural fire have dramatically changed

the character of these forests. Dr. Kerry Metlen of The Nature Conservancy will provide a background on local fire ecology then highlight ongoing efforts to restore fire to the region's forests in a way that works for people and nature. Refreshments at 6:45pm, meeting and program at 7:00pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Alexis at alexislarsen1983@gmail.com or 860-878-2049.

April 6th, 9:00am-2:00pm

More than Morels

Follow mycology expert and founder of Zoom Mycology, Bashira Muhammad, on a exploration for mushrooms in the Cascade-Siskiyou National Monument. Searching for the elusive morel has grown increasingly popular in Southern Oregon in recent years, but don't overlook the many other mycological treasures hidden throughout our region. Bashira will lead participants through the Monument on a search to identify a myriad of native mycelium. The location of the hike will be determined based on weather conditions and where the mushrooms are blooming. For more information or to sign up please contact Katelyn Detweiler at Detweiler.katelyn@gmail.com.

April 18, 7:00pm

Program: Flora of the Serpentine Outcrops in the Blue Mountains

Scattered here and there in the Blue Mountains of NE Oregon are areas of soil derived from serpentinite. This challenging soil supports a peculiar vegetation. Dick O'Donnell will summarize eight years of field work in an attempt to understand the geology of these outcrops and to inventory their vegetation. Refreshments at 6:45pm, meeting and program at 7:00pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Alexis at alexislarsen1983@gmail.com or 860-878-2049.

April 20th, 10:00am

Rough and Ready Botanical Wayside Wildflower Hike

Join Suzanne with the Cultural and Ecological Enhancement Network (CEEN) on an annual wildflower hike at the Rough & Ready Botanical Wayside. The hike will be geared for wildflower enthusiasts of all levels. The hike will be a slow walk on relatively flat ground. Part of the hike is wheelchair accessible. Dress in layers, wear comfortable shoes and bring water. There will be many beautiful and rare wildflowers to see, a camera is optional. You might also like to bring a bag lunch. The hike will end about lunchtime at a picnic table overlooking Rough & Ready Creek. Meet at the parking lot at Wayside at 10am on Hwy 199 south of Cave Junction. For more information or to sign up please contact Katelyn Detweiler at Detweiler.katelyn@gmail.com.

April 28th, 9:00am

Wildflowers of Horseshoe Ranch Wildlife Area

Come explore burned areas of the Horseshoe Ranch Wildlife Area with Sheri Hagwood from US Fish and Wildlife (USFWS). The Horseshoe Ranch Wildlife Area is comprised of approximately 5,000 acres of CDFW property, supplemented by an additional 4,000 acres of BLM lands. Formerly a working cattle ranch, the terrain consists of rolling steep hills

of shrubs, oaks and conifers surrounding Scotch Creek and several of its tributaries. Come see how native flora has made a comeback on the ranch since parts of the area burned in the Klamathon Fire last summer. The trailhead has limited parking - meet Sheri at the gas station in Hornbrook at 9am, then it's about a 30-minute carpool to the trailhead. There is day pass fee of \$4.32 per person. For more information or to sign up please contact Katelyn Detweiler at Detweiler.katelyn@gmail.com.

Umpqua Valley

Visit umpquavalleynativeplants.com for more information on chapter activities or to be added to our email list. Check out our Facebook page, www.facebook.com/UmpquaValleyNPSO. Not online - call Donna Rawson 541-643-0364.

March 16, Saturday, 9:00am-3:00pm

Field Trip: Early spring wildflowers in Olalla Creek Watershed

Rod Trotter will lead us to Upper Olalla Road south of Tenmile, Oregon to view the first wildflowers of spring, including: Oregon fetid adder's tongue (*Scoliopus hallii*), gold star (*Crocidium multicaule*), baby blue-eyes (*Nemophila var. atomaria*), rosy plectritis (*Plectritis congesta*). We may make several stops along Olalla Creek. Ride sharing is encouraged. Bring lunch and dress for the weather conditions. Easy walking on this trip. Caravan will leave promptly at 9am. Call for meetup place. RSVP to Donna at 541-643-0364.

March 23, Saturday, 9:00am-3:00pm

Field Trip: Explore Beatty Rock, a monolithic outcropping of conglomerate in the lower Cow Creek watershed

We will explore along lower Cow Creek Road to examine the California sword fern (*Polystichum californicum*), spring phacelia (*Phacelia verna*), a rare moss (*Pseudoleskeella serpentinensis*), and the fairy slipper orchid (*Calypso bulbosa*). We will amble about on Beatty Rock. A second stop is 1.8 miles further down the Cow Creek Road at the BLM Island Wayside. Anticipate climbing on sloping mossy (slippery) rock for viewing ferns. Ride sharing is encouraged. Parking is limited. Bring lunch and dress for the weather conditions. Caravan will leave promptly at 9am. RSVP to Donna at 541-643-0364.

We are organizing a monthly work party for landscape maintenance of the three native plant gardens we are continuing to enhance. If you like to work with plants and have some flexible time we could use your help. Contact Donna at 541-643-0364 (call or text).

Willamette Valley

For program information, contact John Savage at 503-779-5414, john@straubcenter.org.

Thursday, March 14, 6:00 - 7:00 p.m.

Program: Uncommon Beauty - Rare Plants of Oregon

Some of Oregon's most beautiful native plants are also among its rarest. John Savage of the Willamette Valley Chapter of the Native Plant Society of Oregon will give a slide presentation showing some of Oregon's rare beauties, where to look for them, and what

we can do to preserve and enhance their populations.

The talk is open to the public and no reservations are required. Cost: a \$5 suggested donation at the door. Location: Eco Hub, Willamette Heritage Center, 1313 Mill Street, Salem. For more information, call John Savage at 503-779-5414 or email john@straubcenter.org.

William Cusick

Chapter notices and communications are done primarily through a Google group. For more information or to be added to the Google group, please contact Susan Geer at 541-963-0477 or susanmgeer@gmail.com. Find us on Instagram at [instagram.com/wm.cusick.chapter](https://www.instagram.com/wm.cusick.chapter). Our website is not currently functional.

OregonFlora



By: Dr. Linda K. Hardison
Director, [Oregon Flora Project](#)

OregonFlora is developing a comprehensive reference about the plants of Oregon that includes distribution maps, images of live plants and herbarium specimens, descriptions, and identification tools. The information is available to the public via our website, www.oregonflora.org. Funding for the direct operating expenses of the OregonFlora program comes exclusively from competitive grants and donations from organizations and individuals. The contributions people give of their time and financial resources are a critical part of our operating budget. If you would like to be a part of the team that keeps OregonFlora progressing, please contact us at ofpflora@oregonflora.org, or phone 541-737-4338.

We gratefully accept your donations online (www.oregonflora.org/supportOFP.php) or mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320,

Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include "OregonFlora" on the memo line.



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Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study of
Oregon's native plants and habitats

April 2019

Volume 52, No. 3



**** NOTE - This is particularly long Bulletin issue (it's Annual Meeting time!). You can jump to different sections by clicking on the Table of Contents links below.**

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NPSO Seeks Candidates

Please consider taking the opportunity to serve our Society by running for election to one of the state-wide officer or at-large board of directors positions. The current NPSO President, Lisa Blackburn, will not be running again for President due to health reasons. We will need a new President (one year term), a new Secretary, and three Directors at-large, who will serve two-year terms. Interested persons and people with ideas for potential candidates may contact Dan Luoma by email (daniel.luoma@oregonstate.edu) for more information.

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As a reminder, if you prefer to read a hard copy, you can click on the link at the top of this email that says "view this email in your browser," and then "print" this e-newsletter as a PDF.

If you have any questions, please contact us at [bulletin@npsoregon.org](mailto:bulletin@npsoregon.org).

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## **2019 Annual Meeting - The Applegate Siskiyou**

By Kristi Mergenthaler & the Annual Meeting Coordinating Committee



<http://siskiyou.npsoregon.org/annualmeeting2019/>

The Siskiyou Chapter is happily hosting the 2019 Annual Meeting of the Native Plant Society of Oregon (NPSO) in the Siskiyou, part of the greater Klamath-Siskiyou Ecoregion, on July 12- July 14. We will be based out of Pacifica: A Garden in the Siskiyou in Williams, Oregon. We invite you to savor the beauty and special plants of the

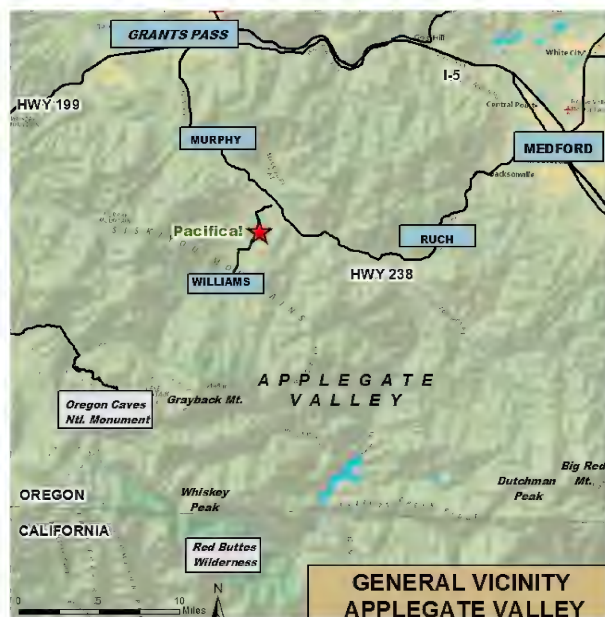
Applegate portion of the Siskiyou while enjoying the company of plant-lovers.

## Registration

The Annual Meeting is for NPSO members only. New members are always welcome to join. The \$35 registration fee covers facilities, swag (glass and utensil set with logo), and other expenses. We have a maximum capacity of 150 people so please register soon. The deadline is June 1st. College students are encouraged to apply for scholarships. Please consider volunteering at the event - we could use your help!

Registration for the annual meeting will be online. We encourage everyone to register online on our webpage via Eventbrite. However, we understand that some members prefer to register by mail and pay by check. For those folks, please print out the registration form from our website or the Bulletin and send it in as soon as possible. These pay-by-check members will have about a week before online registration to level the playing field for field trip selections. Processing of both paper and on-line registration will begin on April 17.

To register and for more resources and updates about the meeting, please visit our website: <http://siskiyou.npsoregon.org/annualmeeting2019/>. For further questions, contact Cyndi at [treasurer@npsoregon.org](mailto:treasurer@npsoregon.org). Pre-order our new t-shirts and hats during registration (see examples on the website). Vendors should contact Kristi at [coprolitemergie@yahoo.com](mailto:coprolitemergie@yahoo.com).



## Klamath-Siskiyou: The Galapagos of the Temperate World

If you adore plants, especially plant species that can only be found on lone mountaintops or remote river valleys, the Klamath-Siskiyou Ecoregion in southwest Oregon and northwest California is the place for you to explore! The region supports approximately 3500 species of plants, including 281 endemic plants that grow nowhere else in the world. Some particularly charismatic endemics, around 90 species, are only found on mantle or ultramafic soils (peridotite and serpentinite). The ecoregion is also a global

hotspot for conifer diversity, with 34 species (and counting) of needle-leaf, cone-bearing trees and shrubs. The Klamath-Siskiyou Ecoregion is also designated as an Area of Global Botanical Significance by the International Union of the Conservation of Nature and is proposed as a World Heritage Site and UNESCO Biosphere Reserve.

In 1983, the natural science writer David Rains Wallace published “The Klamath Knot: Explorations of Myth and Evolution,” an award-winning book of lyrical nonfiction in which he highlighted the overlooked Klamath-Siskiyou Ecoregion. Wallace described red rock, snow forests, toe-nibbling newts, and mythic beasts with an evolutionary lens focused on this wild and jumbled place. Years earlier in the 1940s and 50s, the eminent plant ecologist Dr. Robert Whittaker’s work brought scientific attention to the region. His research demonstrated that the Klamath-Siskiyou have a “central significance” in the origin and diversity of North American vegetation. He explained that the biodiversity was comparable to the southern Appalachians, with similar old rocks and high species endemism. Dr. Susan Harrison has continued Whittaker’s research in the region and is a co-author of a recent analysis of the California Floristic Province (“Plant Diversity and Endemism in the California Floristic Province”) in the April 2016 issue of *Madroño*. In this paper, southern Oregon is identified as the region with the greatest vascular plant species richness (112 species/1000 km) of any other region within the Province. Perhaps this explains why the area serves as a vortex of sorts for native plant connoisseurs.

### **The Applegate Siskiyou: A Place to Cherish and Conserve**

The gorgeous Applegate Valley is located between the Rogue and Illinois Valleys in southwest Oregon. The valley floor supports family farms, wineries, oak woodlands, chaparral, excellent swimming holes, rural homesteads, and even a lavender trail. This tranquil valley is fringed by the foothills and subalpine summits of the Siskiyou Mountains. While many plant enthusiasts avidly botanize the Cascade-Siskiyou National Monument to the east and the cobra-lily fens of the Illinois Valley to the west, the Applegate Siskiyou are less well known.

Why visit? First, there are the rare, endemic, disjunct, and edge-of-range plants of the Applegate (Table 1) including the iconic Brewer’s spruce (*Picea breweriana*), Applegate stonecrop (*Sedum oblancheolatum*), and the lovely Siskiyou willowherb (*Epilobium siskiyouense*), which was selected as the logo for the annual meeting.

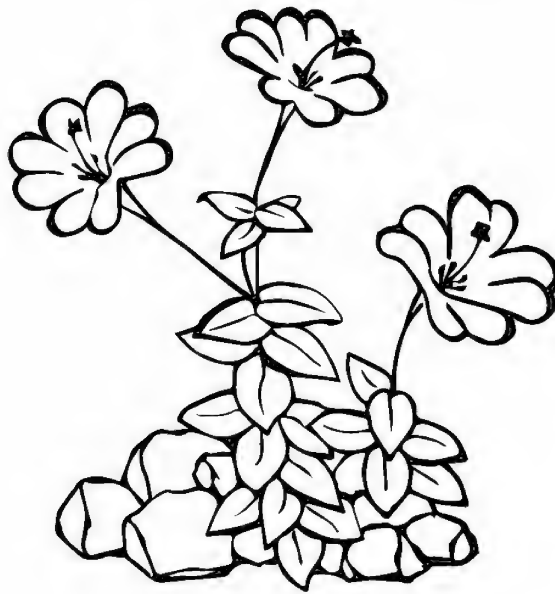


Table1: Rare &amp; Disjunct Plants of the Applegate Siskiyou - A Selection

Species	Common Name
<i>Allium siskiyouense</i>	Siskiyou onion
<i>Astragalus whitneyi</i> var. <i>siskiyouensis</i>	Siskiyou milk vetch
<i>Callitropsis nootkatensis</i>	Alaska yellow-cedar
<i>Castilleja schizotricha</i>	Splithair paintbrush
<i>Chamaecyparis lawsoniana</i>	Port-Orford-cedar
<i>Cryptantha milobakeri</i>	Milo Baker's cryptantha
<i>Cypripedium fasciculatum</i>	Clustered lady's slipper
<i>Cypripedium montanum</i>	Mountain lady's slipper
<i>Delphinium nudicaule</i>	Red larkspur
<i>Diplacus bolanderi</i>	Bolander's monkeyflower
<i>Diplacus congdonii</i>	Congdon's monkeyflower
<i>Epilobium siskiyouense</i>	Siskiyou fireweed

<i>Erigeron petrophilus</i> var. <i>petrophilus</i>	Cliff fleabane
<i>Eriogonum diclinum</i>	Jayne's canyon buckwheat
<i>Eriogonum elatum</i> var. <i>villosum</i>	Long hairy tall buckwheat
<i>Eriogonum lobbii</i>	Lobb's buckwheat
<i>Eriogonum ternatum</i>	Ternate buckwheat
<i>Fritillaria gentneri</i>	Gentner's fritillary
<i>Fritillaria glauca</i>	Siskiyou fritillary
<i>Gentiana plurisetosa</i>	Bristly gentian
<i>Hastingsia alba</i>	White rushlily
<i>Hesperocyparis bakeri</i>	Baker's cypress
<i>Horkelia hendersonii</i>	Henderson's horkelia
<i>Juniperus occidentalis</i>	Western juniper
<i>Keckiella lemmonii</i>	Lemmon's keckiella
<i>Kopsiopsis hookeri</i>	Small ground cone
<i>Kopsiopsis strobilacea</i>	California ground cone
<i>Lewisia cotyledon</i>	Siskiyou lewisia
<i>Lewisia leeana</i>	Lee's lewisia
<i>Lilium pardalinum</i> ssp. <i>wigginsii</i>	Wiggin's lily
<i>Orthocarpus cuspidatus</i> ssp. <i>cuspidatus</i>	Siskiyou mt. owl's clover
<i>Pedicularis densiflora</i>	Indian warrior
<i>Pedicularis howellii</i>	Howell's lousewort

<i>Phacelia corymbosa</i>	Serpentine phacelia
<i>Penstemon anguineus</i>	Siskiyou beardtongue
<i>Picea breweriana</i>	Brewer's spruce
<i>Pinus sabiniana</i>	Gray pine
<i>Polystichum lemmonii</i>	Lemmon's sword fern
<i>Populus tremuloides</i>	Aspen
<i>Quercus sadleriana</i>	Sadler's oak
<i>Quercus vaccinifolia</i>	Huckleberry oak
<i>Rafinesquia californica</i>	California chicory
<i>Rhamnus illicifolia</i>	Redberry
<i>Rhodiola integrifolia</i>	Ledge stonecrop
<i>Sarcodes sanguinea</i>	Snow plant
<i>Saussurea americana</i>	American sawwort
<i>Sedum ob lanceolatum</i>	Applegate stonecrop
<i>Smilax californica</i>	California greenbriar
<i>Solanum parishii</i>	Parish's nightshade
<i>Tetrapteron graciliflorum</i>	Hill suncup
<i>Toxicoscordion exaltatum</i>	Giant death camas
<i>Triteleia crocea</i>	Yellow brodiaea

Next there are the mountains and vegetation patterns. The Siskiyou Mountains arc over 100 miles from Mt. Ashland to just east of Crescent City in California, forming a somewhat tangled divide between the Klamath and Rogue Watersheds. The Siskiyou Crest is the striking and sometimes jagged high elevation ridgeline that forms the spine

of the range. The Siskiyou display exceptional geological and climatic diversity. In the 1960s, ecologist R.H. Waring studied the vegetation distribution of the Siskiyou along with moisture and temperature gradients. He noticed that endemics like Brewer's spruce, Marshall's gooseberry (*Ribes marshallii*), and Sadler's oak (*Quercus sadleriana*) did not extend to the Eastern Siskiyou while the eastside supported disjunct populations more common to the Cascade Mountains, such as Engelmann spruce (*Picea engelmannii*) and whitebark pine (*Pinus albicaulis*). Waring defined the location where Brewer's spruce and Sadler's oak drop out, by Condrey Mountain in California, as the eastern extent of the Western Siskiyou flora.

Consider this: some people travel to Indonesia to bird both sides of the Wallace Line, a biogeographical line separating distinct avifauna. Now you can visit the Siskiyou, especially the perfectly situated Applegate Siskiyou, to botanize the Waring Line! In the Eastern Siskiyou, look for the rare Henderson's horkelia (*Horkelia hendersonii*), or Basin and Range species like dwarf sagebrush (*Artemesia arbuscula*) and mountain mahogany (*Cercocarpus ledifolia*) on Dutchman Peak. The next day, admire the shaggy form of a Brewer's spruce in the Red Buttes Wilderness in the Western Siskiyou.

Then there are the places. The flowery slopes of Grayback Mountain, the tallest peak in Josephine County (7000 ft. in elevation), serves as the granitic sentinel between the Illinois and Applegate Valleys. Big Red Mountain, one of the prettiest mantle rock mountains in the world, sports purple flowers like Lee's lewisia (*Lewisia leeana*) and splithair paintbrush (*Castilleja schizotricha*) blooming between red cobbles. There is still a functional fire lookout surrounded by penstemon rock gardens on Dutchman Peak with dramatic views of the glacially-carved Silver Fork Basin. Walk along the trail through diverse ancient forests with abundant black bear signs to Frog Pond or visit magical Miller Lake and the Baker's cypress (*Hesperocyparis bakeri*) grove. We think you will like the Applegate Siskiyou!



### The Venue, Lodging & Catering

The annual meeting will be based at Pacifica: A Garden in the Siskiyou (<https://pacificagarden.org/>) near the town of Williams, south of Grants Pass. It is 25 minutes from Grants Pass, 45 minutes from Medford, and 1¼ hours from Ashland. The mission statement for this non-profit organization is:

*A unique 400 plus acre natural reserve dedicated to education and to the celebration of the environment, plants, the arts, and community.*



The grounds are open to the public during the day for hiking, fishing, disc-golf, and horseback riding and include a developing botanical garden and a plant nursery, Forestfarm Nursery. Pacifica holds environmental education programs on site and operates the Caterpillar, an adorable mobile educational unit. Our meeting will be held in the Great Hall with vaulted ceilings and views of the Siskiyou. Pacifica offers unlimited tent and vehicle-based camping for participants as well as four RV hookups with electricity and water, but no sewer. Please call Kristi before registering to secure your RV hookup rental: 541.941.3744.

An ADA bathhouse is under construction but unfortunately, due to grant funding, it will not include as many showers as we hoped. We are working with the owners to provide additional propane hot water and solar showers to supplement the two bathhouse showers. Please consider bringing your own solar shower.

Two housing rentals are on site: the Steve Miller Apartment (2 bedroom, 6 beds, 1 bath) (<https://www.airbnb.com/rooms/27090678?guests=1&adults=1>) named after a former property owner and rock musician, and The Pond House (<https://www.airbnb.com/rooms/7366697?guests=1&adults=1>), a 4000 sq. ft. home overlooking a large pond and the Siskiyou. The house, listed on the National Register of Historic Places, can comfortably sleep 12 or more people with a full kitchen, 3½ baths, 8 sleeping areas, and laundry. Not all the beds are completely private, so renting the house with a group of friends would be best. Check out the Airbnb website for more details but note the annual meeting dates are blocked out for online registration for our event. To rent either option, please contact Joy at 951-415-4443. See the annual meeting website (<http://siskiyou.npsoregon.org/annualmeeting2019/>) for more information on local lodging options.

Our caterer will be Chef Kristen (<http://chefkristen.com/>) of Jacksonville who specializes in creating wonderful organic and locally-sourced meals. We will be offering dinner on Friday; breakfast, sack lunch, and a banquet on Saturday; and breakfast on Sunday. We will also provide a free lunch for NPSO members attending the board meeting. A no-host bar will also be available both evenings. Review the website to assist you in selecting catered meals, to find out about the drink vendors, or to explore other nearby restaurant and grocery store options.

This is a no-waste event, so please bring your own tableware and napkins to the catered meals. We will supply a hygienic dish washing station. Part of the registration fee covers a complimentary stainless-steel glass and a bamboo utensil set with canvas case with images of the annual meeting logo plant, Siskiyou willowherb.

## Field Trips

Carpooling is encouraged, with expenses divided among passengers. The Siskiyous are steep, rough terrain with hot summer days - consider this when choosing your trip. For more detailed field trip information, plant lists, and photographs, visit the annual meeting website. The descriptions include driving directions which you can use for self-guided trips.

### Friday July 12th (half-day)

#### **Plein air painting on the Siskiyou Crest** (Dr. Darlene Southworth)

Paint the Siskiyous from Jackson Gap, a scenic saddle on the Siskiyou Crest. The site includes rare and unusual wildflowers, views, meadows, forests and rocky scablands. Bring painting materials, chair and easel if desired.

#### **Pacifica and Forestfarm tour** (Ray Prag, Peg Prag, Jen Tietjen)

Tour the grounds and facilities at Pacifica: A Garden in the Siskiyous, including self-guided trails at the Nature Center and Forestfarm Nursery, with an opportunity to purchase plants after the nursery tour.

#### **Red Lily riparian restoration tour and wine tasting** (Katelyn Detweiler)

Tour a 5-year-old riparian restoration project on the grounds of Red Lily Vineyard along the Applegate River. Walk along the planting area and learn about the Freshwater Trust's long-term efforts to restore riparian vegetation. After the tour relax with an optional glass of local wine by the Applegate River.

#### **Whisky Creek** (Dr. Dennis Odion and Luke Ruediger)

Hike through old-growth mixed conifer forest in the Whisky Creek canyon in the Upper Applegate and discuss botany and fire ecology effects from the 2017 Abney Fire. This trip will discuss uncommon and unusual species in the Applegate Siskiyous and the vegetative response to the fire.

#### **Cedar Log Flat Research Natural Area** (Dom DiPaolo and Chelsea Reha)

Hike off-trail on easy to moderate slopes and uneven terrain to view *Darlingtonia californica* wetlands, serpentine influenced Jeffrey pine savanna, and mature mixed conifer forest in the Cedar Log Flat Research Natural Area in the Lower Applegate.

#### **Grasses of the Enchanted Forest Trail** (Dr. Cindy Roché)

Join botanist Cindy Roché for an enchanting look at grasses along the Enchanted Forest Trail in the Middle Applegate, using the new Field Guide to the Grasses of Oregon and Washington.

**Saturday July 13th (full day).****Dutchman Peak** (Barb Mumblo)

Spend the day botanizing in the Dutchman Peak Botanical Area on the Siskiyou Crest with stops along the road or short walks to see plants such as *Castilleja schizotricha*, *Horkelia hendersonii*, *Artemisia arbuscula*, *Cercocarpus ledifolius*, *Sedum lanceolatum*, and *Ipomopsis aggregata*.

**Bigelow Lakes** (Drs. Linda Vorobik and Cindy Roché)

Botanize the Bigelow Lakes Botanical Area in the expanded Oregon Caves National Monument to view rare and endemic plants such as *Gentiana plurisetosa*, *Iliamna latibracteata*, *Quercus sadleriana*, and *Quercus garryana* var. *breweri*.

**Observation Peak** (Kristi Mergenthaler and Dr. Dennis Odion)

Explore the Observation Peak Botanical Area on the Siskiyou Crest. We will walk on the Pacific Crest Trail (PCT) through rock gardens, meadows, and a subalpine forest, and then head cross-country to the summit through rare and unusual cushion plants. We will also focus on bumble bee pollination ecology and identify a few bumbles.

**TJ Howell Botanical Drive and Babyfoot Lake** (Lee Webb)

Drive TJ Howell Botanical Drive in the Illinois River drainage, stopping along the way to explore rare and unusual plants influenced by serpentine geology. Then hike into the edge of the Kalmiopsis Wilderness to beautiful Babyfoot Lake viewing more rare plants along the way, and witnessing some of the changes brought by the 2002 Biscuit and 2018 Klondike Fires.

**Big Red Mountain PCT** (Rachel Werling and Dr. Jad D'Allura)

Unique botany and geology will be highlighted along the PCT on Big Red Mountain on the Siskiyou Crest where ultramafic soils host many rare and unusual species such as *Epilobium siskiyouense*, *Polystichum lemmonii*, and *Castilleja schizotricha*. This will be an easier trip than the summit hike.

**Big Red Mountain Summit** (John Villela)

Get off the beaten path and explore unique botany, rare plants and geology on the ultramafic soils of Big Red Mountain with an off-trail trip to the summit where participants will take in amazing views of the Klamath-Siskiyou Mountains. Special attention to pollinator-plant interactions will also be highlighted along the way.

**Miller Lake Baker's cypress** (Suzie Savoie and Luke Ruediger)

Hike the Miller Lake Trail loop in the Upper Applegate, enjoying rock outcrops, spectacular views, and stunning wildflower displays. Then detour off-trail to a beautiful grove of the rare Baker's cypress (*Hesperocyparis bakeri*).

**Frog Pond** (Julie Spelletich and Richard Callagan)

Explore the flora of the Red Buttes Wilderness along the Frog Pond Trail in the Upper

Applegate. Experience lush wet meadows filled with Wiggins Lily (*Lilium pardalinum ssp. wigginsii*), old-growth forests, and see one of the southernmost stands of Alaska yellow-cedar (*Callitropsis nootkatensis*).

**Grayback Mountain** (Wayne Rolle and Cecile Shohet)

This field trip will include both trail and off-trail hiking to Grayback Mountain and Big Sugarloaf Peak, exploring the “Boundary Range” dividing the Applegate and Illinois River watersheds. We will see wet meadows, rock outcrops and dry open slopes with special status, rare, and uncommon species.

**Cook and Green Pass** (Dave Bowden and Amanda Snodgrass)

Hike the PCT through the Cook and Green Pass Botanical Area at the boundary between the Applegate and Klamath River watersheds, a hotspot for botanical diversity. See endemic, rare and uncommon species while enjoying views of the Klamath-Siskiyou Mountains and the effects of the 2017 Abney Fire.

**Siskiyou Crest Road 20** (Ben Ey and Jeanine Moy)

Drive scenic Forest Service Road 20 along the botanically diverse Eastern Siskiyou Crest stopping to admire rare plants, wildflower-filled meadows, and panoramic vistas of the Klamath-Siskiyou Mountains along the way.

**Chrome Ridge** (Dr. Tom Atzet)

Chrome Ridge is an ancient serpentine ridge with spectacular views and interesting botany. The trip will explore serpentine barrens, Jeffrey pine savanna, and the 2018 Klondike-Taylor Fire. Participants will see rare and endemic serpentine wildflowers in the Illinois River Watershed.

**Sunday July 14th (half day)**

**Whisky Peak** (Jason Clark and Jay Scelza)

Hike a half-mile steep ascent to view grand vistas atop Whisky Peak, the site of an old fire lookout near the Red Buttes Wilderness in the Upper Applegate. Whisky Peak is known for spectacular rock outcrops with displays of uncommon and unusual flowering species.

**Lichens and Bryophytes** (Dr. Scot Loring)

Dive into the cryptic world of lichens and bryophytes in the Siskiyous with expert Scot Loring. Visit uncommon calcareous tufa deposits with unique bryophyte flora at lower elevations; take a look at lichens in old-growth forests higher in elevation, and then end the trip high on the Siskiyou Crest with an exploration of a sphagnum-dominated wetland with complex geology and a diversity of lichens and bryophytes.

**Silver Fork Meadows** (Barb Mumblo and Dr. Cindy Roché)

A moderate off-trail hike through Silver Fork Meadows below the Siskiyou Crest. The extensive meadows between Dutchman’s Peak and Observation Peak contain showy displays of wet, moist and dry meadow species. Abundant bees and butterflies will round

out the show.

### **Eight Dollar Mountain** (Gretchen Vos and Richard Brock)

Explore the Eight Dollar Mountain Botanical Area, a hotspot for endemic serpentine species in the Illinois Valley. Check out *Darlingtonia californica* wetlands, as well as many endemic and unusual species in the dry serpentine grasslands and Jeffrey pine savanna above the Illinois River.



### **Program**

On Friday night, our guest speaker will be Michael Kauffmann, plant explorer and author of *Conifer Country: A Natural History and Hiking Guide to the Conifers of the Klamath Mountain Region*. Check out his wonderful website (<http://conifercountry.com/>) at Backcountry Press.

On Saturday night, the banquet speaker will be Luke Ruediger, naturalist and author of *Siskiyou Crest: Hikes, History, and Ecology*. His talk is entitled: The Applegate Siskiyou - Wildlands, Wildflowers & Biodiversity. For more information: <http://thesiskiyoucrest.blogspot.com>.

### **Thank You**

We are thankful to Plant Oregon “The Nursery on Wagner Creek” ([www.plantoregon.com](http://www.plantoregon.com)) for sponsoring the meeting! The talented Paula Fong ([prfong.com](http://prfong.com)) kindly created the logo for us and Mary Hills illustrated the images for the utensil set and our new t-shirts. Special thanks to the coordinating committee volunteers: Cyndi Dion, Teresa Fernandez, Kristi Mergenthaler, Barbara & Tom Mathieson, Barb Mumblo, Joy Savoie, Suzie Savoie, Julie Spelletich, and Cecile Shohet.

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## **Upcoming Training for Citizen's Rare Plant Watch**

[Citizen's Rare Plant Watch](#) searches for historical occurrences of rare species, describes

their status and extent, and contributes to their conservation. Citizen's Rare Plant Watch is a program of the [Rae Selling Berry Seed Bank](#) & Plant Conservation Program at Portland State University, in partnership with the Native Plant Society of Oregon.

Mark your calendars for a day-long training on Sunday, April 14, from 9:30 am to 4:00 pm. The training will be held at Tualatin River National Wildlife Refuge. It will include a classroom component in the morning and a field practicum session in the afternoon (rain or shine). Participants are asked to join CRPW for at least one small-group monitoring trip this year, but are welcome and encouraged to participate as much as is needed.

What WE do:

- Select historical sites of rare plant populations to visit (some that haven't been visited in decades).
- Gather up maps, site and plant information, data collection documents.
- Plan out the expeditions - dates, species, destinations.
- Sign up volunteers to monitor some amazing sites and help us collect this important data - that's you!
- Lead trips and provide training.
- After the site visits, we provide data to land managers, Oregon Biodiversity Information Center and Oregon Flora Project, organizations that catalog Oregon's plant life.

What YOU do:

- Receive thorough training on data collection and survey techniques.
- Get to join a small group of like-minded plant lovers in visiting a beautiful spot or take on an assignment of your own.
- Look diligently for the target species, collaborate in estimating population size and noting coordinates, elevation, associated species, threats and other site information.
- Take pictures!
- Receive our thanks for your much-valued participation.
- Must be physically capable for the site visit, rare plants may located away from roads or trails.
- You will need to fill out a confidentiality agreement and liability waiver.

\*If you are interested in joining us for the training session, please RSVP to Kris at [kfreitag@pdx.edu](mailto:kfreitag@pdx.edu).

Also, if you are interested in leading a trip or taking on your own assignment or have any questions, please let us know. We are very excited about the potential of this program to increase understanding of the extent of rare species and of ecosystems throughout Oregon. Thank you, and we look forward to meeting you!

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## Wildflower Show & Native Plant Sale - NPSO Cheamill Chapter

Saturday, May 25, 2019, 10am to 3pm  
Carnegie Room, McMinnville Public Library  
Free Admission



### Indoor Display

The public is invited to view the free bloom display inside the Carnegie Room. Members of the Native Plant Society have followed ethical standards to gather fresh specimens of native flowers and samples of trees and shrubs for your enjoyment. Each stem is placed

in a labeled vase, so viewers can learn to identify native plants by common name as well as scientific names and plant families.

### **Native Plant Sale**

A wide variety of native plants grown locally will be available for purchase in the plaza in front of the Carnegie Room starting at 10 a.m. Our members will help you purchase plants and trees best suited for the conditions of sun, soil and moisture of your home garden.

### **New This Year: Free Seeds and Plants**

Monarch butterflies require one particular plant, the showy milkweed (*Asclepias speciosa*), to lay their eggs. At the wildflower show this year, we will be giving away showy milkweed seeds for visitors to plant. It's a thrill to see Monarch eggs, caterpillars, and butterflies in your own garden. And the flowers are exquisite - see the photo on our poster this year.

**Every 30 minutes during the Wildflower Show & Native Plant Sale, a lucky visitor will win a drawing for a free native plant of their choice.**

### **20th Anniversary of the Native Plant Garden**

Twenty years ago in July, the Native Plant Garden at McMinnville Public Library was designed and planted. Today, the mature garden is blooming and beautiful. Visitors appreciate seeing how native plants can develop the kind of landscaping anyone would enjoy and be proud of – all without fertilizers, chemicals, regular watering or intensive maintenance.

### **Education**

As part of the Native Plant Garden's 20th anniversary celebration, people who have worked in the garden all 20 years will offer small-group tours every hour. If anyone is thinking of adding natives to a home garden, these knowledgeable native plant enthusiasts can offer guidance.

### **Weed Table**

Inside the Carnegie Room, a separate table is reserved for non-native species and invasive weeds. Take a look at these species to be sure you haven't been inadvertently cultivating an invasive species in your home landscape! A member of the Native Plant Society will show you how to identify these species and describe how to effectively remove them.

### **Support Conservation**

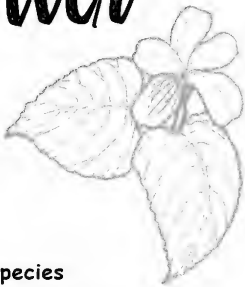
The Native Plant Society of Oregon is dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats. Over 450 of our native plant species are listed as threatened or endangered by the Oregon Biodiversity Information Center. You can help conserve and preserve species and habitat for all native species with your donation, or better yet, your membership in the local Cheahmill Chapter.

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## **[Glide Wildflower Show - April 27-28, 2019](#)**

Appreciation - Education - Conservation

# Glide Wildflower Show



April 27 & 28 ♦ 2019  
9 am to 5 pm  
Photographers' Hour 8 am Sat & Sun

**Over 600 species**  
of Southwest Oregon **wildflowers**, trees & shrubs, **grasses**  
ferns, **lichens**, mosses & **liverworts**

<b>Exhibits</b> Beekeeping Noxious Weeds Natural Dyes and spinning   <b>Sales</b> Flora books &amp; posters Native plants Food &amp; beverages Homemade pies	<b>Special Presentations</b>       ♦ Rare and Unusual Plants of the Umpqua National Forest     ♦ Bees and Butterflies as Pollinators     ♦ Medicinal and Edible Plant Uses     ♦ Guided Wildflower Walks     ♦ Tour the Show with a Botanist       <b>See our website for details!</b>
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Glide Community Center  
Hwy. 138, Glide, Oregon  
[www.glidewildflowershow.org](http://www.glidewildflowershow.org)

**\$3**  
Suggested donation

The Glide Wildflower Show ~ April 27-28, 2019 ~ is perfectly timed this year to close out Native Plant Appreciation Week. We invite your chapter to end the week with a visit to the largest showcase of native flora in the Pacific Northwest.

#### Start with the show:

- Over 600 species of wildflowers, shrubs, trees, mosses, lichens and ferns artfully displayed and labeled
- Special displays of edible and medicinal plants, natural dyes, noxious weeds, beekeeping, spinning, and photos of endangered flowers
- Roving botanists available to answer questions
- Sales of books and field guides; food, drink and homemade pies (a show tradition); and native plants

#### Presentations will include:

- Edible and Medicinal Plant Uses - Wren Davidson, herbalist and owner of Yerba Buena Botanicals in Eugene
- An Introduction to Our Native Bees, the Forgotten Pollinators
- Rare and Unusual Plants of the Umpqua National Forest - Richard Helliwell, US Forest Service botanist
- Guided Wildflower Hike - led by experienced show collectors

#### Then head to the wild side:

- Learn about three dozen species of blooming wildflowers on the Guided Wildflower Walk, led by show collectors along an old-growth forest trail.
- Drive the Rogue-Umpqua National Scenic Byway along the spectacular North Umpqua

River. At every wayside and trailhead, hundreds of wildflowers await.

- Walk a portion of the North Umpqua Trail or one of the waterfall trails along the Byway. Within 22 miles of the show are 8 trailheads, with even more upriver.

**The details:**

- Location: Glide Community Center, Glide, 17 miles east of Roseburg on Highway 138
- \$3 suggested donation
- 9 am to 5 pm, with a photographers-only hour from 8 to 9 am
- Handicapped accessible

Visit our website at [www.glidewildflowershow.org](http://www.glidewildflowershow.org) for more information. If you have questions or would like advice on planning your group's outing, email [info@glidewildflowershow.org](mailto:info@glidewildflowershow.org).

For other local attractions and lodging:  
[Roseburg Visitors Center](#) ~ 541-672-9731

We hope to welcome your NPSO chapter this year as we close Native Plant Appreciation Week!

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## Willamette Valley Chapter Scholarships

### Students: Take Note!

The Willamette Valley Chapter will once again be offering two scholarships for 3rd and 4th year students who will be enrolling in plant systematics or plant ecology at any Oregon college or university for the 2019-2020 school year. Two qualified applicants will be selected to receive \$1,000 from either the Augusta Rockafellar Memorial Scholarship Fund or the Jean Davis Memorial Scholarship Fund.

Applications will be accepted by mail until **June 1, 2019**. Don't let this opportunity pass you by!

### Rules for Scholarship Awards:

1. Scholarships are available to students in Oregon colleges, planning their major study in plant systematics or plant ecology.
2. Scholarships are awarded in the amount of \$1,000 to worthy students who will complete at least two years of satisfactory college work by July 1 of the year of receipt of application and are full time students. Graduate students may be eligible if they meet all qualifications except that of full time student.
3. Awards are made in the following manner:

- a) A certificate is presented to the recipient.
  - b) A check in the amount of the award is submitted to the school of choice, as set forth in rule 1, to be used toward tuition within the following academic year.
4. If an award recipient fails to enroll, changes his or her major, or leaves the school before completing the period for which the award was granted, the full amount or unused part of the money shall be returned to the Memorial Scholarship Fund.
5. Applicants are required to submit:
- a) In their own words, a statement of academic and career intent.
  - b) Two letters of reference from persons able to judge the student's ability to successfully complete study in the area of plant systematics or plant ecology.
  - c) Full academic record (transcript).
6. The Scholarship Committee Chair must receive all applications, together with items listed in rule 5, no later than June 1. The award will be made by July 1.
7. Scholarships cannot be granted to Scholarship Committee members or their relatives.

Please mail applications and the required documentation to:

Thomas Jenkins

Scholarship Committee Chairman

14380 Salt Creek Rd.

Dallas, OR 97338

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## State & Chapter Notes

### **State Notes/Announcements:**

**State Board Meeting** - The next State Board Meeting is scheduled for July 14th, 9:00am to 1:00pm at the Annual Meeting (Pacifica: A Garden in the Siskiyou).

**Native Plant Appreciation Week** - Native Plant Appreciation week is April 21-27, 2019!

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Chapter Notes:

Blue Mountain

For information on Blue Mountain Chapter, call Jerry Baker, 541-566-2244. To get on our email list, contact flora.id@wtechlink.us.

Cheahmill

For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at ch_president@NPSOregon.org. Check out our Facebook page at [facebook.com/Native Plant Society of Oregon: Cheahmill Chapter](https://facebook.com/NativePlantSocietyofOregon).

Meeting and work party location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. The library parking lot may be entered from either Adams or Second streets. Meetings start at 7 pm. Doors open at 6:45 pm for socializing.

April 25, Thursday, 6:45-8:45pm

Program: Monitoring, classifying, and mapping vegetation in Northwest National Parks

Dr. Mark Huff, who directs long-term ecological monitoring for six Northwest National Parks including Mount Rainier, Olympic, and North Cascades National Parks and Lewis and Clark National Historical Park, will provide perspectives and insights on what have we learned studying vegetation in these parks - from old-growth forests to Whitebark pine. Location: McMinnville Public Library, see above for details.

April 27, Saturday, 9-11am

Work Party: Native Plant Garden at McMinnville Public Library

Spend a couple hours between 9am and 11am with a congenial crew and get to know native plants with our new green plant markers. Learn how the beauty, diversity and educational value of this mature demonstration garden is maintained with a minimum of effort. Bring gloves, bucket and gardening tools if you have them. For more information, contact Catie Anderson at catie.fishback@gmail.com or 503-435-2401.

May 18, Saturday, 9 to 11

Work Party: Native Plant Garden at McMinnville Public Library

Spend a couple hours between 9 and 11am with a congenial crew and get to know native plants with our new green plant markers. Learn how the beauty, diversity and educational value of this mature demonstration garden is maintained with a minimum of effort. Bring gloves, bucket and gardening tools if you have them. For more information, contact Catie Anderson at catie.fishback@gmail.com or 503-435-2401.

May 25, Saturday, 10:00 am to 3:00 pm

Wildflower Show and Native Plant Sale

Location: McMinnville Public Library

Join us for our Wildflower Show where fresh specimens of native flowers, trees, and shrubs will be on display. Each sample is labeled so viewers can learn to identify them by their common name as well as scientific names and plant families. A table with non-native species and invasive weeds will also be on display. A wide variety of native plants grown locally will be available for purchase. We will be giving away showy milkweed seeds and have drawings for free native plants. We will offer tours of the Native Plant Garden at the McMinnville Public Library every hour to celebrate its 20th anniversary.

May 10, Half-day (12:30-5:00pm)**Field trip to Baskett Slough National Wildlife Refuge and adjacent vineyard property with restoration project**

Difficulty: moderate. We will be led by Chris Seal who has worked in both restoration projects, and hear his expert perspective on landscape management for multiple species on private and public lands. We hope to view golden paintbrush and Kincaid's lupine, among other gems. There will be birds.

May 29, Full Day (10am-4pm)**Field trip to conservation properties managed by the Yamhill Soil and Water Conservation District in Muddy and Gopher Valley**

Difficulty: moderate. Amie Loop-Frison will show us the secrets of two properties with many unique native plants, a large population of western pond turtles, and more. We should see several species of butterflies, rare and otherwise. Poison oak is present, as are yellow jackets or wasps. The route will traverse grassy field and slopes. NOTE: This is the first formal field trip to these sites, so there will be some discussion about what routes and topics are best for the 2020 Annual Meeting field trip. Pre-registration is required to attend these trips. The number of participants will be limited, to enhance the experience for all. Since these trips are preparatory for the annual meeting, and attendance is capped at 15, current, paid up members will have priority. To register, email ch_president@NPSOregon.org.

Corvallis

For questions, information on upcoming events, or to be on the Corvallis Chapter email list, contact co_president@NPSOregon.org. Find us on Facebook at facebook.com/CorvallisNPSO.

April 21, Sunday, 1:00-3:00pm**Field Trip: Jackson-Frazier Wetlands**

In celebration of Native Plant Appreciation Week, join leaders Dan Luoma and Joyce Eberhart on a stroll through Jackson-Frazier Wetlands. The natural area trail is a boardwalk and the walk is wheelchair accessible. Location: meet at the parking area for Jackson-Frazier at the north end of Lancaster St., Corvallis. For more information contact Dan Luoma, luomad@fsl.orst.edu.

April 27, Saturday, 9:15am-3:00pm**Field Trip: Lower North Ridge Trail**

In celebration of Native Plant Appreciation Week, join leader Louise Marquering for a hike on Lower North Ridge Trail. Meet at the OSU Wilkinson Hall parking lot at 26th & Monroe at 9:15am for carpooling.

Wear sturdy shoes and weather appropriate clothes. Bring a lunch and water. The hike is 2.4 miles one way with a 400 foot elevation gain. There are a few rough spots so bring walking sticks if you choose. Contact Louise Marquering at patch1L@aol.com or 541-753-0012 if you plan to participate.

May 13 at 7:30 pm

May Meeting

Room 2087 of Cordley Hall, OSU. Research scientist, Chris Maser, will speak on "The inviolable biophysical principles that govern how a forest functions." He explains, "Everything is a relationship based on the flow of energy in which nothing is reversible. All relationships are self-reinforcing feedback loops. All systems are based on composition, structure, and function."

Emerald

Our chapter meets the 3rd Monday at 7pm through April, at the Amazon Community Center. Visit the Emerald Chapter website at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

We want you! If you have leadership or coordination experience, are looking to build your resume, or enjoy sharing your knowledge of native plants, we want to hear from you! The Emerald Chapter is currently seeking officers to join our active board. Positions include president, vice president, secretary, and publicity and field trip committee chairs. If interested, please send an email to em_president@npsoregon.org.

April 15, 2019, 7:00pm, Amazon Community Center

Peacock larkspur (*Delphinium pavonaceum*)

Esther McEvoy & Jennifer Ward

After a career with various government agencies, Esther settled in Corvallis and worked for the EPA on the Superfund project and helped start the Corvallis Chapter of the Native Plant Society of Oregon. She worked with Bob Frenkel at Finley Wildlife Refuge on vegetation analysis after prescribed burns in the wet prairie that has a population of *Delphinium pavonaceum*. In 1987, as Legislative Chair of the NPSO, she helped pass the State Endangered Species Bill. She started a native plant nursery 19 years ago and is honored to be working on the Peacock Larkspur restoration Project. Jennifer earned a Bachelors degree in Conservation Biology from Brigham Young University and a Masters degree in Environmental Management from Duke University. A native of Maryland, she first came to Oregon to join an OSU team researching salmon migration on the Columbia River. Finding the Pacific Northwest very much to her liking, she stayed, conducting botany surveys for the US Forest Service, working with a private consulting firm to assess damage to marine wildlife in the aftermath of oil spills, and teaching biology at LBCC. As the City's Watershed Program Specialist she enjoys the diverse aspects of her work including public outreach, facilitating research and monitoring, and coordinating restoration projects. She also appreciates every opportunity to work in her 2,352 acre outdoor "office".

Filipendula

For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, carlajeancole@gmail.com.

All year: North Oregon Restoration Partnership potting days in Tillamook, OR at the

nursery, with Maysa Miller

We will share the volunteer activity dates, and encourage everyone to join during the year to help the nursery with potting up native plants. It's a great way to pick up new skills in potting and handling native plants. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

April 20th, Saturday, 9:00am-1:00pm

Collect plant specimens and use the new *Flora of the Pacific Northwest* to identify plants with Kathleen Sayce, and possibly plant drawing with Darota Faber-Leigh.

Location: Ft. Clatsop at the Netul Room. We will provide plant presses, some specimen materials to put in the presses, and have a few copies of the *Flora of the PNW*, 2nd edition. Bring your own copy if you have one. For sketching native plants, bring a sketch pad and colored pencils. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

May 1st, Wednesday, 9:00am**Onion Peak Mainline broom clearing and botanizing**

We will walk about 3 miles on the upper Onion Peak Road, clearing broom from the road and edges, while looking for rare plants, including *Filipendula occidentalis* and several *Saxifraga* species. Start time is 9 a.m. at Circle Creek, to carpool south on Hwy 101 to the Onion Peak Mainline Gate. Wear boots, bring loppers, water and food. End time: 4 p.m. at Circle Creek. Limited to 12 people, we will need 2 more SUVs to drive everyone in to this site. Activity organizer is Melissa Reich. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

June 5th, Wednesday, 9 a.m.***Iris tenax* in bloom at Ecola State Park**

Hiking a section of the Oregon Coast Trail between Crescent Beach and Indian Beach, round trip of 3 miles. This is the northernmost known population of *Iris tenax* on the Pacific Northwest coast. Other species seen on this trail include *Sidalcea hirtipes* and several violets. Entry to Ecola State Park requires a state park permit. Start time is 9 a.m. End time is around 1 p.m. Wear boots and weather appropriate clothing; bring food and water. Hike organizer is Kathleen Sayce. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com

High Desert

For information, visit the High Desert Chapter website: www.highdesertnpsoregon.org and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email highdesertnps@gmail.com.

Native Plant Appreciation Week April 21st-27th

To celebrate the beauty and importance of native plants the High Desert Chapter has organized a week of hikes, tours, and presentations. Please visit the Chapter website to see full schedule of activities.

<http://www.highdesertnpsoregon.org/>

May 9th, Saturday, 9am-4pm**Scabland refresher**

The High Desert Chapter of the Native Plant Society of Oregon sponsors the Adopt-a-Scabland project where volunteers monitor an Ochoco scabland under the direction of the Paulina Ranger District botanist for the Ochoco National Forest. The purpose of the program is to train citizen scientists to monitor the ecological health of Ochoco scablands. Scablands are unforested areas of very shallow soil that provide unique habitat for native plants and wildlife. Volunteers receive training in scabland ecology and data collection, find a fellow team member and schedule a field day to walk a scab (or two) once or twice a year. Volunteers are asked to complete a monitoring checklist, noting things like unauthorized vehicle use and invasive species. The Forest Service then uses the data to gauge the health of the scablands. The program also promotes a deeper understanding of this unique resource so that the public can be better engaged in scabland conservation. The training will be in Prineville and will run from 9am to 4pm and include a trip to the Ochocos. Another follow up training may occur in July. If you are interested in helping on this project, please contact Leslie Olson at lolson@bendcable.com

May 16, Thursday, 7pm**“Much More than a Desert”: John Leiberg in Eastern Oregon**

Jack Nisbet will be speaking to a joint meeting of the Archaeological Society of Central Oregon and the High Desert Chapter of the Native Plant Society at Oregon State University-Cascades, Room 111, Tykeson Hall. Parking is free in the campus lot after 5pm. Nisbet wrote the book “The Dreamer and the Doctor” about John B. Leiberg and his doctor wife, Carrie. John and Carrie Lieberg cut a wide swath through the Pacific Northwest at the end of the 19th century, engaging in activities that ranged from timber assessments and fire ecology to public health and suffrage politics. Nesbit’s slide presentation will focus on two landmark plant surveys that John made through eastern Oregon in 1894 and 1896. Join us for a look at habitats Leiberg explored from the Blue Mountains to Bend and from the Malheur River to Crater Lake.

May 25, Saturday, 9am**Horse Ridge RNA Hike**

Meet at Wilco Parking lot in Bend at 9 a.m. for carpooling or at the Sand Canyon trailhead on the Horse Ridge frontage road at 9:30 a.m. Distance/difficulty: moderate trail hike. We can avoid all the climbing by driving one vehicle to the west side of Horse Ridge and park it in the BLM trailhead parking lot. We’ll leave that vehicle and take 2 or 3 vehicles to the south side of Horse Ridge (via Millican Valley) and start the hike there, which is much easier and quicker getting into the core of the RNA. Limit: 10 participants, **RSVP required by email to** reidschuller@bendbroadband.com. Bring: food and water, sunscreen, hat, boots and your signed NPSO waiver. No dogs. Not suitable for young children. Trip leader: Reid Schuller. Horse Ridge Research Natural Area is a 600 acre tract that occupies predominantly north- to northeast-facing slopes on Horse Ridge about 15 miles east of Bend. Originally established as an RNA in 1967, it supports a late-seral example of the western juniper/big sagebrush/threadleaf sedge (*Juniperus occidentalis*/*Artemisia tridentata*/*Carex filifolia*) plant association and lesser

amounts of the juniper/sagebrush associations with Idaho fescue and bluebunch wheatgrass. Located in the extreme southwest portion of the Blue Mountains Ecological Province, it supports a large population *Carex filifolia*, which has been largely eliminated by grazing over much of its range. The RNA is also home to the oldest juniper in Oregon, estimated to be 1,600 years old.

Klamath Basin

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com>.

The Klamath Basin Chapter will offer a tour of native plant gardens at the Klamath County Museum on May 11, followed by a native plant sale at the Museum on May 18.

Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at mc_president@NPSOregon.org.

Portland

Take a look at our Facebook page. Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hikes and other events as well as great plant pictures. All hikes and programs, plus many more hikes, are also posted on our Meetup page: <https://www.meetup.com/NPSO-Portland/>

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm. MEETING PLACE: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We will meet in Copeland Commons; enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

* **Native Plant Month PDX 2019** - In May, the Portland Chapter will be promoting Native Plant Month PDX 2019 (NPM-PDX 2019), a month-long celebration of native plants through a variety of fun and interactive events sponsored by NPSO, friends, and partners. The Native Plant Month PDX website, located at nmpdx.org, is being updated to share information about the 2019 NPM events as details become available.

April 11th, 7:00pm

Program: Preservation of OR White Oaks at Washougal Oaks/Lacamas Prairie Natural Areas

Presenter: Carlo Abbruzzese, Pacific Cascades Region, Natural Areas Manager, WDNR
Carlo will provide background on DNR's statewide Natural Areas Program and will describe the preservation and restoration of *Quercus garyana* (Oregon white oak) forest and Willamette Valley wet prairie in two Clark County, Washington natural areas. The talk will describe some of the rare plant and animal species that are protected at these sites as well as the successes and failures in trying to restore these sensitive habitats. At Washougal Oaks Natural Area, Douglas fir trees were thinned around Oregon white oak trees to prevent overtopping and eventually killing of oak trees. At Lacamas Prairie

Natural Area, wet prairie is being restored using prescribed fire, control of non-native grasses, and the seeding and planting of native prairie plants.

April 13th, 1:00pm - 3:00pm

Trip/Location: Nob Hill Nature Park, St. Helens, OR

Leaders: Caroline Skinner & Joan Rainey

Description: Join the Friends of Nob Hill Nature Park and NPSO for an easy, low-key stroll through Nob Hill Nature Park to view fawn and chocolate lilies and more in an area currently undergoing restoration. NHNP is a 6.6-acre oak woodland, perched on a basalt bluff. It overlooks the Columbia River. Come visit and give your input on plants found in this lower-Columbia River ecosystem. Poison oak is common off well-maintained trails. Long pants and long sleeves are suggested. This event is on, rain or shine. (Pre-registration not needed.) Directions: NHNP is 30 miles north of Portland, off Hwy 30, in St Helens. Meet at city's wastewater treatment facility across from park at 1 PM. Allow about 45 minutes drive time from Portland. Coming from Portland, take Hwy 30 north, past Sauvie Island and past Scappoose. At the WalMart in St Helens, turn right on Gable Road. Go toward the river. Bear right on Plymouth Street and keep bearing right until you see the wastewater treatment plant on the right. There is plenty of easy parking across from the park's main entrance. A plant list is available by request by calling Caroline at 503-248-9719.

April 18th, 9:00am - 1:30pm

Trip/Location: Lacamas and Round Lakes, Camas, WA

Leaders: Ron Klump & Nancy Chapman

Description: Easy hike about 4 mile loop along lakefront and through forested slopes, flowered meadows, and riparian areas. Hope to catch camas and avalanche lilies in bloom in the oak balds. Contact Ron at klumpron@gmail.com for more information on where to meet and to sign-up.

April 20th, 8:30am - 4:30pm

Trip/Location: Memaloose Hills, Memaloose State Park, OR

Leaders: Clarice Johnston & Beth Magnus

Description: Wildflower hike in the east Gorge, moderate, 5-6 miles, 800-foot elevation gain. The hike is best done for the first time with someone who knows the trail. It is jam-packed with a large variety of flower species, including the rare violet suksdorfia and big shows of balsamroot. It boasts a pioneer road, basalt formations, several lovely views of the Columbia River and views of both Mt. Hood and Mt. Adams. Located just east of the town of Mosier, this hike was a favorite of Russ Jolley's. The group will carpool from the Portland area (location to be determined, contact hike leader), leaving at 8:30am, and drive approximately 70 miles one-way to the trailhead location, meeting around 10:00am (contact hike leader for specific location). This hike is limited to 12 people. Contact Clarice at eclaricej@gmail.com or 503-860-9808 for more information on specific meetup places and to sign-up.

April 25th, 8:30am - 4:30pm

Trip/Location: McCall Point, Tom McCall Nature Preserve, OR

Leaders: Mary Hayden & Willow Elliott

Description: Wildflower hike in the east Gorge near Mayer State Park, moderate, 3.25-mile out-and-back hike, 1070-foot elevation gain. Hike up meadowed slopes on an improved gravel trail lined with balsamroot offering stunning views of the Columbia River and the Rowena Plateau. Meet at the Gateway Park & Ride (Portland) at 8:30am to carpool or at the McCall Point trailhead at 10:00am at Rowena Crest. Drive is 150 miles round-trip from Gateway Park & Ride (Portland). Prepare for ticks. Contact Mary at hayden.mary.k@gmail.com for more info and to sign-up.

April 27, 2019, 8:00 am to 4:00 pm

PREMIER FIELD TRIP (for Members only)

Trip/Location: Lacamas Prairie Natural Area, Vancouver WA (near Camas)

Leaders: Carlo Abbruzzese and Willow Elliott

A short 1 mile flat hike through a seasonally wet area (rubber boots or waterproof footwear required). This combined natural area preserve (NAP) and natural resources conservation area (NRCA) protects the best known remnant of the Willamette Valley wet prairie ecosystem in Washington. Lacamas Prairie Natural Area also protects one of the largest populations of Bradshaw's lomatium, which is federally listed as "endangered". The site also protects populations of five other rare plant species. The prairie remnant occurs in a native valley landscape mosaic with Oregon white oak woodland and Oregon ash wetland forest. The NAP and NRCA combined currently include 189 acres. Features Protected: Bradshaw's lomatium, Oregon coyote-thistle, Hall's aster, dense sedge, Nuttall's quillwort, small-flowered trillium, Willamette Valley wet prairie, and Oregon white oak woodland.

Sign ups will be required by joining the NPSO-Portland Chapter group at <https://www.meetup.com/NPSO-Portland/>.

April 29th, 5:30pm - 7:30pm

Trip/Location: Canemah Bluff, Oregon City

Leader: Jason Clinch

Description: Join us for a tour of Metro's Canemah Bluff Natural Area above the historic riverboat community of Canemah just off of US 99E south of downtown Oregon City. It features restored meadows full of Camas, Brodiaea, Lilies, Rosy Plectritis, and oak and fir woodlands with many other native plants. The diversity of habitats include Oregon white oak and Pacific madrone. Metro's science team has removed invasive plants and strategically thinned trees that compete with oaks to help restore the oak habitat for the plants and animals that depend on it. The 2013 Natural Areas Levy has enabled Metro to improve access for all people by adding ADA access, improving the trails through the prairie, and by adding a nice overlook feature with subtle art installations along the way from local artists. This hike is limited to 12 people and parking is very limited so please carpool. Address: 815 4th Ave., Oregon City, OR. Contact Jason at jason.clinch@gmail.com for more information or to sign-up.

May 5th, 8:00am-4:30pm

Trip/Location: Scotch Broom Pull at Great Camas Patch/Giant Trees of Lost Creek Hike, Carson, WA

Leaders: Roger Brewer, Susan Saul, & Jason Clinch

Description: Over the last few years we have made excellent progress toward control of Scotch Broom on this piece of property near Carson, WA that Russ Jolley made famous on the cover of his book *Wildflowers of the Columbia River Gorge*. At this work party, we will be looking for and eliminating new scotch broom sprouts and removing older plants we might have missed in the past. We'll have saws and loppers but it may be helpful, to bring more as well as your gloves and clippers. We will work for about 2 hours, from about 9:30am to 11:30am, followed by a quick lunch. After paying the price of admission at Great Camas Patch, the Giant Trees of Lost Creek will be the reward for your labor. Hike underneath the ancient Douglas-fir and western red-cedar trees of Lost Creek. In the late 1990s, the late Russ Jolley helped save the 170 acres of big, old trees from a timber sale and this place was dear to him. The hike will be on an unofficial path forming a fairly easy 1.5 mile loop. Expect to walk across streams on logs and climb over or around fallen trees. Anyone wanting to participate in the Scotch Broom Pull but not continue to the Lost Creek Trees hike is welcome to return home after the Pull if you have driven. If you need a carpool, we will do our best to divide people up by car depending on their desire to return to Portland after the Pull or continue on to Lost Creek Trees. Contact Roger at rogerbrewer@comcast.net for more information or to sign-up.

May 9th, 7:00pm**Program: Cape Horn Conservancy efforts in Columbia Gorge**

A unparalleled success story of protecting habitat for Peregrine falcons and native plants includes the stunning basalt cliffs of Cape Horn to the top of Mt. Pleasant. Founder of the Friends of the Columbia Gorge, Nancy Russell led the efforts to buy a critical series of lots planned for development there and the rest is history. Hear about current efforts to control invasive weeds and continue native plant protection. Presenter: Cyndi Soliz, Partnership Specialist - Skamania County Noxious Weed Program.

May 9th, 8:30am-4:30pm**Field Trip: Memaloose Hills/Castilleja Hill****Leaders: Willow Elliott, Mary Hayden, Linda Hardie**

Description: Wildflower hike in the east Gorge, moderate, 5-6 miles, 800-foot elevation gain. The hike is best done for the first time with someone who knows the trail. It is jam-packed with a large variety of flower species, including the rare *Suksdorfia violacea* saxifrage and big shows of balsamroot. It boasts a pioneer road, basalt formations, several lovely views of the Columbia River and views of both Mt. Hood and Mt. Adams. Located just east of the town of Mosier, we will head for the steep climb up to Castilleja Hill for lunch and great flowers with a 360 degree view (good knees and stability required for the short, but steep up and down hill climb on loose soil). Meet near the Gateway Park & Ride (Portland) on NE 99th Ave behind Fred Meyer at 8:30am to carpool or at the Memaloose Rest Area on I-84 Eastbound parking lot at 10:00am. There is no mile marker for the exit, but it's just east of the Mosier exit. The drive is 140 miles round-trip from Gateway area (NE Portland). Mary at hayden.mary.k@gmail.com for more information, carpooling info, what to expect and to sign-up. Notice: Poison ivy and ticks will be present.

Siskiyou

To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2018, make a suggestion, or provide feedback regarding the field trip program, please contact Katelyn Detweiler, detweiler.katelyn@gmail.com. Join us on Facebook at: <https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon>

April 20th, 10am

Rough and Ready Botanical Wayside Wildflower Hike

Join Suzanne with the Cultural and Ecological Enhancement Network (CEEN) on an annual Wildflower Hike at the Rough & Ready Botanical Wayside. The hike will be geared for wildflower enthusiasts of all levels. The hike will be a slow walk on relatively flat ground. Part of the hike is wheelchair accessible. Dress in layers, wear comfortable shoes and bring water. There will be many beautiful and rare wildflowers to see. The hike will end about lunchtime at a picnic table overlooking Rough & Ready Creek so consider bringing lunch. Meet at the parking lot at the Wayside at 10am on Hwy 199 south of Cave Junction. For more information or to sign up please contact Katelyn Detweiler at Detweiler.katelyn@gmail.com.

RSVP: Sierra Gwin (+2 more people) (541) 864-9225 emailed on 3/12

April 28th, 9am

Wildflowers of Horseshoe Ranch Wildlife Area

Come explore burned areas of the Horseshoe Ranch Wildlife Area with Danika from US Fish and Wildlife Service (USFWS). The Horseshoe Ranch Wildlife Area is comprised of approximately 5,000 acres of USFWS property, supplemented by an additional 4,000 acres of BLM lands. Formerly a working cattle ranch, the terrain consists of rolling to steep hills of shrubs, oaks and conifers surrounding Scotch Creek and several of its tributaries. Come see how native flora has made a comeback on the ranch since parts of the area burned in the Klamathon Fire last summer. The trailhead has limited parking - meet Danika at the gas station in Hornbrook, California at 9am, then it's about a 30-minute carpool to the trailhead. There is day pass fee of \$4.32 per person. For more information or to sign up please contact Katelyn Detweiler at Detweiler.katelyn@gmail.com.

May 4th, 10am

Native Grass and Forb Seed Crop Tour

J. Herbert Stone Forest Service Nursery (JHSN) is a major reforestation nursery for government clients managing public lands. JHSN also grows native grasses and forb seed crops for clients who use the harvested seed in wildland restoration projects on public lands. Most of the grass and forb seed crops are bolting or blooming this time of year. So it's a good time to visit, see them in an agricultural setting, and learn a bit about growing them. Wayne Rolle, a retired local Forest Service botanist and currently a volunteer at JHSN, will lead a field trip to learn more about native grass and forb seed

crop grown at JHSN. Rendezvous for this leisurely 2 ½ -hour walking tour will meet at the main JHSN entrance on Hanley Road (0.35 miles north of the intersection with Ross Lane and please note this is NOT the Old Stage Road entrance). For more information or to sign up please contact Katelyn Detweiler at Detweiler.katelyn@gmail.com.

May 11, 9:30am

Cedar Log Flat Research Natural Area

Join hike leaders from Applegate Neighborhood Network (ANN) and the Siskiyou Chapter Native Plant Society of Oregon (NPSO) on a hike to the Applegate Watershed's only *Darlingtonia* wetlands. *Darlingtonia californica*, otherwise known as cobra-lily or California pitcher plant, is an unusual insectivorous plant found most commonly in serpentine wetlands. We will be visiting the Cedar Log Flat Research Natural Area to explore the beautiful serpentine wetlands, pine savannas, and red rock wildflower displays of Slate Creek. The area contains numerous rare plant species, including rare plants otherwise found only in the Illinois River Watershed. Come join this botanical exploration into one of the Applegate Watershed's most unique habitats. Where: Meet at the Hidden Valley Market parking lot in Murphy to carpool to the Cedar Log Flat RNA on Slate Creek. Please RSVP: luke@applegateneighborhood.network.

May 19, 9:00 am

Lichen Hikin' with a Fun-gi

Spring is a prime time to observe lichens, bryophytes and terrestrial algae at upper Table Rock with John Villella, a botanist with Siskiyou Bio Survey and member of the American Bryological and Lichenological Society. Some lichen highlights include variant forms of *Xanthoparmelia* and *Dermatocarpon* and local rarities such as *Pharmelina* and *Peltula*. Hand lenses and field guides are encouraged, but not required. Please register at <https://lichen-hike-2019.eventbrite.com>. Registration for April hikes will begin on March 22, 2019.

Umpqua Valley

Visit umpquavalleynativeplants.com for more information on chapter activities or to be added to our email list. Check out our Facebook page, www.facebook.com/UmpquaValleyNPSO. Not online - call Donna Rawson 541-643-0364.

March 16, Saturday, 9:00am-3:00pm

Field Trip: Early spring wildflowers in Olalla Creek Watershed

Rod Trotter will lead us to Upper Olalla Road south of Tenmile, Oregon to view the first wildflowers of spring, including: Oregon fetid adder's tongue (*Scoliopus hallii*), gold star (*Crocidium multicaule*), baby blue-eyes (*Nemophila* var. *atomaria*), rosy plectritis (*Plectritis congesta*). We may make several stops along Olalla Creek. Ride sharing is encouraged. Bring lunch and dress for the weather conditions. Easy walking on this trip. Caravan will leave promptly at 9am. Call for meetup place. RSVP to Donna at 541-643-0364.

March 23, Saturday, 9:00am-3:00pm

Field Trip: Explore Beatty Rock, a monolithic outcropping of conglomerate in the

lower Cow Creek watershed

We will explore along lower Cow Creek Road to examine the California sword fern (*Polystichum californicum*), spring phacelia (*Phacelia verna*), a rare moss (*Pseudoleskeella serpentinensis*), and the fairy slipper orchid (*Calypso bulbosa*). We will amble about on Beatty Rock. A second stop is 1.8 miles further down the Cow Creek Road at the BLM Island Wayside. Anticipate climbing on sloping mossy (slippery) rock for viewing ferns. Ride sharing is encouraged. Parking is limited. Bring lunch and dress for the weather conditions. Caravan will leave promptly at 9am. RSVP to Donna at 541-643-0364.

We are organizing a monthly work party for landscape maintenance of the three native plant gardens we are continuing to enhance. If you like to work with plants and have some flexible time we could use your help. Contact Donna at 541-643-0364 (call or text).

Willamette Valley

For program information, contact John Savage at 503-779-5414, john@straubcenter.org.

Sunday, April 14, 7:30am–5:30pm

Field Trip: Catherine Creek and Dalles Mountain Road

John Savage of the Willamette Chapter of the Native Plant Society of Oregon will lead a trip to view the rare Obscure Buttercup, Bitter Root, Dagger Pod, Desert Parsleys, and other wildflowers at Catherine Creek and Columbia Hills in the Columbia Gorge. The combined walks will cover three to four miles with some elevation gain. Bring water, lunch, snacks, and appropriate footgear and clothing for wet and cold conditions. Location: meet in the parking lot at the Willamette Heritage Center, 1313 Mill Street SE, Salem at 7:30 a.m. to carpool. Transportation will be provided to and from the trailheads. Cost: \$10. Space is limited. Registration is required. To register and for more information, contact John Savage: John@straubcenter.org or 503-779-5414.

May 4, 1:00-3:30pm

Field Trip: Kingston Prairie Preserve

Join Straub Outdoors educators and members of the Willamette Valley Chapter of the Native Plant Society of Oregon on an easy afternoon walk to view the rare Bradshaw's Lomatium (*Lomatium bradshawii*) and other blooming wildflowers at the Kingston Prairie Preserve southeast of Stayton. The 152-acre Preserve is the best example of native prairie remaining in the Central Willamette Valley. Bring water, a snack, sturdy walking shoes, and a jacket. Location: meet in the parking lot at the Willamette Heritage Center, [1313 Mill Street SE, Salem](https://www.willametteheritagecenter.org/) at 1:00 p.m. Transportation will be provided to and from the trailhead. Cost: \$5 per person. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

May 5, 9:30am-Noon

Field Trip: Minto-Brown Island Park

Wildcrafter and certified herbalist Jody Beckwith will lead a walk at Minto-Brown Island Park near Salem to identify plants used by herbalists to create salves, tinctures, and other medicinal remedies. Bring water, snacks, sturdy walking shoes, and a jacket. Location: meet in the parking lot at the Willamette Heritage Center, [1313 Mill Street SE](https://www.willametteheritagecenter.org/),

[Salem](#) at 9:30 am. Transportation will be provided to and from the park. Cost: \$5 per person. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

May 9th, Thursday, 6:00pm

Nature Talk: Wisdom Native Plant Nursery Academy

Join Rose High Bear (Deg Hit'an Dine, Inupiaq), co-founder of *Wisdom of the Elders*, for a presentation about the organization and its newest venture, the *Wisdom Native Plant Nursery Academy*. Since 2015, *Wisdom of the Elders* has provided training for Native American youth and adults in environmental assessment and habitat restoration. It has also worked with diverse groups to provide living-wage jobs for Native American crews who restore habitat for native plant species traditionally used for food and medicine. *Wisdom of the Elders'* new academy, located in rural Marion County, will offer Native Americans training in horticulture and agriculture. Rose formed *Wisdom* in 1993 with Martin High Bear, the late Lakota spiritual leader and medicine man. She served as its Executive Director through 2017 and now is Senior Advisor of *Wisdom Agricultural Business Incubator*. Location: Dye House at the Willamette Heritage Center, 1313 Mill St. SE, Salem. Open to the public. No registration or RSVP required. \$5 suggested donation. For more information, contact John Savage at john@strauboutdoors.org or at 503-779-5414.

May 11-12, 10:00am-5:00pm

Field Trip: Silver Falls State Park (Mother's Day Weekend)

Members of the Willamette Valley Chapter of the Native Plant Society members will lead wildflower walks on both days of the annual Mother's Day Weekend event at Silver Falls State Park. Bird walks, presentations, photo hikes, and other field trips will also be available. View the work of nature artists, see a wildflower display, buy native wildflowers, and participate in a variety of crafts. For a full schedule of activities contact Matt Palmquist at matt.palmquist@oregon.gov or call 503- 874-0201.

May 19, 7:30am-5:30pm

Field Trip: Hood River Mountain Meadow

Members of the Willamette Valley Chapter of the Native Plant Society of Oregon will lead an all-day walk to see Howell's Triteleia, Sticky-Stem Penstemon, Slender Godetia, Milk Vetch, and other Columbia Gorge wildflowers growing in a beautiful, flower-laden meadow overlooking Hood River. The walk will cover 2-3 miles with some elevation gain in the first mile. Bring water, lunch, snacks, sturdy walking shoes, and clothing for windy and wet conditions. Location: meet in the parking lot at the Willamette Heritage Center, [1313 Mill Street SE, Salem](#) at 7:30 a.m. Transportation will be provided to and from the trailhead. Cost: \$10. Space is limited. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

May 26, 9:00am-3:00pm

Field Trip: Finley Wildlife Refuge

John Savage of the Willamette Valley Chapter of the Native Plant Society of Oregon will lead an all-day walk to view the wildflowers at the William L. Finley National Wildlife

Refuge near Corvallis. Golden Paintbrush, Nelson's Checkermallow, Peacock Larkspur, and other rare and endemic species grow in the untouched Natural Resource Area. Bring water, lunch, snacks, sturdy walking shoes, and a jacket. Location: meet in the parking lot at the Willamette Heritage Center, [1313 Mill Street SE, Salem](#) at 8:00 a.m. to carpool. Transportation will be provided to and from the trailhead. Cost: \$10. Space is limited. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

June 2, 8:00am-5:00pm

Field Trip: Mt. Hebo

John Savage of the Willamette Valley Chapter of the Native Plant Society of Oregon will lead a day hike to view the rare Coast Fawn Lily (*Erythronium elegans*), Caldwell's Penstemon, Rusty Saxifrage, and other wildflowers of Mt. Hebo, near Grand Ronde. The four-mile walk (with 300 feet of elevation gain) also features a stunning view of the ocean. Bring water, lunch, snacks, and appropriate foot gear and clothing for wet and cold conditions. Location: meet in the parking lot at the Willamette Heritage Center, [1313 Mill Street SE, Salem](#) at 8:00 a.m. Transportation will be provided to and from the trailhead. Cost: \$10. Space is limited. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

June 9, 9:00am-12:30pm

Field Trip: Kingston Prairie

John Savage of the Willamette Valley Chapter of the Native Plant Society of Oregon will lead a morning walk to view the wildflowers at the 152-acre Kingston Prairie Preserve southeast of Stayton. The Kingston Prairie Preserve is the best example of native prairie remaining in the Central Willamette Valley. The wet and dry prairies harbor native grasses and host a wide variety of prairie wildflowers including rare and endemic species such as the Willamette Daisy, the Willamette Larkspur, Field Checkermallow, and the Common and Leichtlin's Camas. Bring water, snacks, and appropriate foot gear and clothing for the weather conditions. Location: meet in the parking lot at the Willamette Heritage Center, 1313 Mill Street SE, Salem at 9:00 am. Transportation will be provided to and from the trailhead. Cost: \$5 per person. Space is limited. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

William Cusick

Chapter notices and communications are done primarily through a Google group. For more information or to be added to the Google group, please contact Susan Geer at 541-963-0477 or susanmgeer@gmail.com. Find us on Instagram at [instagram.com/wm.cusick.chapter](https://www.instagram.com/wm.cusick.chapter). Our website is not currently functional.

OregonFlora



By: Dr. Linda K. Hardison
Director, [Oregon Flora Project](http://www.oregonflora.org)

OregonFlora is developing a comprehensive reference about the plants of Oregon that includes distribution maps, images of live plants and herbarium specimens, descriptions, and identification tools. The information is available to the public via our website, www.oregonflora.org. Funding for the direct operating expenses of the OregonFlora program comes exclusively from competitive grants and donations from organizations and individuals. The contributions people give of their time and financial resources are a critical part of our operating budget. If you would like to be a part of the team that keeps OregonFlora progressing, please contact us at ofpflora@oregonflora.org, or phone 541-737-4338.

We gratefully accept your donations online (www.oregonflora.org/supportOFP.php) or mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320, Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include "OregonFlora" on the memo line.



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Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study of
Oregon's native plants and habitats

May 2019

Volume 52, No. 4



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2019 Annual Meeting

<http://siskiyou.npsoregon.org/annualmeeting2019/>

The Siskiyou Chapter is hosting the 2019 Annual Meeting in the Siskiyou, part of the greater Klamath-Siskiyou Ecoregion, on July 12-July 14 (based out of Pacifica: A Garden in the Siskiyou in Williams, Oregon). The Annual Meeting is for NPSO members only. The \$35 registration fee covers facilities, swag (glass and utensil set with logo), and other expenses. Maximum capacity of 150 people so register soon! The deadline is June 1st.

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As a reminder, if you prefer to read a hard copy, you can click on the link at the top of this email that says "view this email in your browser," and then "print" this e-newsletter as a PDF.

If you have any questions, please contact us at [bulletin@npsoregon.org](mailto:bulletin@npsoregon.org).

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## Annual Election of Officers and Directors

**\*\*** The NPSO Board of Directors proposed amendments to the NPSO Bylaws to allow for voting by electronic means for bylaw amendments and for the annual election of officers and directors (see February Bulletin). The current bylaws specified printing and mailing ballots. Ballots were sent to NPSO members, and 120 ballots were returned approving the bylaw amendments. Voting for NPSO officers will therefore be sent by electronic means for the upcoming officers and directors election. Thank you to all who voted, and to the NPSO Mailing Committee and Membership Chair for their efforts on this special bylaw election.

### 2019 Candidates for NPSO Board Positions

The NPSO Nominating Committee offers the following list of candidates for the State offices. Please consider serving our Society. Interested persons and people with suggestions for potential candidates may contact Dan Luoma by email ([daniel.luoma@oregonstate.edu](mailto:daniel.luoma@oregonstate.edu)) for more information. **Ballots and candidate biographies will be sent out later in May.**

#### PRESIDENT

No candidate, suggestions welcome

#### VICE PRESIDENT

Thea Jaster

**SECRETARY**

Steven Yeager

**TREASURER**

Cyndi Dion

**DIRECTORS-AT-LARGE**

Gail Baker

Jason Clinch

Sarah Ratay

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## Book Review



**A Naturalist's Guide to Plant Communities of Pacific Northwest Dune Forests and Wetlands.** George Poinar, Jr. 2019. Botanical Research Institute of Texas (BRIT) Press, Fort Worth, TX. ISBN 13:978-1-889878-54-6. 321 pp. Softcover \$25.00

Poinar's 2016 book on dune ecology (*A Naturalist's Guide to the Hidden World of Pacific Northwest Dunes*) covered dune grasslands and ocean beaches. As a companion to that book, this guide expands into the area immediately east (inland) of those areas: the dune forest plant communities and associated wetlands. Poinar is an entomologist and writer, known for popularizing the idea of extracting DNA from insects fossilized in amber. Upon retirement, he moved from California to Oregon, and clearly enjoys walking the dunes near Waldport. Dunes are of particular interest to me also, so I looked forward to each book with great eagerness.

According to the title, this is a book about plant communities; the first section addressing forests and the second section, wetlands. At first glance, I thought that this book was organized around key plant species, but on closer inspection, I saw that this is not a guide to coastal plant communities and their key species. The author chose plants from each habitat and called the plant species a community, for example a heading reads “Klamathweed Community.” Rather than highlighting key species of the forest or wetland communities (based on dominance or crucial ecological function), the author presents an arbitrary series of both native and introduced plant species and other categories (lichens, liverworts, mosses, mushrooms, orchids, vertebrates, etc.) with headings using common names. The order of appearance made no sense, until I realized that they appeared mostly in alphabetical order by genus or category name (however, ferns appear between *Pseudotsuga* and *Rhamnus*, and mushrooms appear just before vertebrates). Each “community” heading is followed by a list of herbivores, detritivores, predators, parasites, omnivores. At this point I realized that the book is not about plant communities. The communities are the guilds of insects and other invertebrates associated particular hosts. The diversity of invertebrate species on native plants is indeed truly fascinating. It provides support for Douglas Tallamy’s observations that native plant species provide habitat for native insects, which in turn provide food for native birds and other wildlife (*Bringing Nature Home: How You Can Sustain Wildlife with Native Plants*. Timber Press, Portland, OR. 2009).

The author made several unfortunate choices for common names, instead of following the Oregon Flora Project checklist of accepted common names. This is likely to confuse some readers, although most NPSO members will probably go straight to the scientific name. Lay people who prefer common rather than scientific names could easily be distracted by the use of the name snakeberry, which normally refers to the toxic *Solanum dulcamara*, for *Maianthemum dilatatum*. It is also confusing to list species that are native to California (which is not part of the Pacific Northwest). For example, *Ceanothus gloriosus* (which is planted as an ornamental and appears at one location at the visitor’s center at Cape Perpetua) and *Heterotheca sessiliflora* have not naturalized in Oregon.

I was eager to read the wetland plants section, wetlands being of great personal interest, and was dismayed to find vernal pools not mentioned by name, instead being called “temporary inland pools.” He did not mention their winter inhabitants, Oregon fairy shrimp, or three-spined sticklebacks, the commonest fish of coastal wetlands. Coastal sloughs were not even mentioned. I expected more on several keystone species of wetland plant communities, which can ring marshes, ponds and lakes in great belts, including willows, crabapple, sweet gale, and floating sphagnum mats, but these species/plant communities were not included. Of the numerous sedges that occupy these plant communities, only one was featured.

Unfortunately, while Poinar gives significant space to vertebrate species that may be seen in both dune forests and wetlands, it remains a mystery as to what criteria were used to include or exclude any given species. For example, beaver got a mention, but muskrat and river otter did not. Pacific chorus frog was included, but not red-legged

frog. Western (terrestrial) garter snake was included, but not common or northwestern garter snake, the latter two of which are common along the central and north coast of Oregon into southern Washington, while the former species is common only on the south coast of Oregon. Also omitted was a well-known inhabitant of the marsh/forest edge, Pacific jumping mouse.

This review is primarily from the perspective of botanists, but two misidentifications are not reassuring for the accuracy of the other information. For example, on evergreen huckleberry Poinar lists “Indigo butterfly,” named as *Lyceoides* sp. [sic], illustrated by a photo of what is clearly a female Echo Azure, *Celastrina echo echo* (I confirmed this with Dr. Robert Michael Pyle). On page 224, Poinar introduces a bird he calls a ringed turtledove, identifying it as an escaped African turtledove. This would make it extremely uncommon, as E-bird reports no sightings outside several cities across southern North America. Unfortunately, the bird in question is not the least bit rare; it is the Eurasian collared dove, a recent introduction into North America, widely known for the speed with which it colonized the continent.

Thus, what this book comes closest to being is a guide to the suites of insects associated with particular plant species. He should have left vertebrates out and focused on gathering information of insect use of key plant species. If he had done a thorough job of that, I’d have written a totally different review. The guide would then have been an extremely useful local interpretation for Tallamy’s book and particularly good for anyone looking to improve habitat for insects with the goal of benefiting native birds. A fatal flaw is that he did not include critically important common plants; most egregiously, willows were left out. Tallamy lists *Salix* as number two for insect diversity among hardwoods in eastern North America, thus it is a keystone species in its native habitats here in the West as well. A friend of mine identified more than two dozen insect species on Hooker’s willow, a common coastal willow. The large guild of insects on flowering willows provide crucial food for Anna’s and rufous hummingbirds in early spring.

This is a nice book to promote curiosity. If a copy of this field guide falls into your hands, use it to encourage the grandkids to explore those grand rolling waves of sand we call the dunes. —Kathleen Sayce, *Filipendula* Chapter.

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## Upcoming Training for Citizen's Rare Plant Watch

[Citizen's Rare Plant Watch](#) searches for historical occurrences of rare species, describes their status and extent, and contributes to their conservation. Citizen's Rare Plant Watch is a program of the [Rae Selling Berry Seed Bank](#) & Plant Conservation Program at Portland State University, in partnership with the Native Plant Society of Oregon.



Mark your calendars for a training event on **Saturday, June 1, from 9:00am to 4:00pm**, with an optional half-day (or so) monitoring trip on Sunday, June 2. The training will be held on the OSU Campus. It will include a classroom component in the morning and a field practicum session in the afternoon (rain or shine). Participants are asked to join at least one small-group monitoring trip this year, but are welcome and encouraged to participate as much as is needed. The focus species for this training will be the peacock larkspur (*Delphinium pavonaceum*), a State of Oregon endangered species and a Federal species of concern. We will get the chance to see this species during the training and assist in collecting valuable population data.

If you are interested in joining us for the training session, please RSVP to Kris at 503-725-2468 or [kfreitag@pdx.edu](mailto:kfreitag@pdx.edu).

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## Wildflower Show & Native Plant Sale - NPSO Cheamill Chapter

Saturday, May 25, 2019, 10am to 3pm  
Carnegie Room, McMinnville Public Library  
Free Admission



The poster is for a 'Wildflower Show & Native Plant Sale' held at the McMinnville Public Library. It features three small images of wildflowers at the top: a pinkish-white flower, a blue flower, and a yellow flower. Below these images is the text '10 am — 3 pm', 'Saturday, May 25, 2019', and 'McMinnville Public Library'. The location is given as 'Carnegie Room, 225 NW Adams St., McMinnville, Oregon'. Contact information includes 'More information: 971-267-0058, [www.facebook.com/NPSO.Cheamill](http://www.facebook.com/NPSO.Cheamill)'. At the bottom left is a photo of a plant display. At the bottom right is a box with the text 'Free Admission Presented by Cheamill Chapter Native Plant Society of Oregon' and a logo of the Native Plant Society of Oregon.

**Wildflower Show  
&  
Native Plant Sale**

*Asclepias speciosa* and *Penstemon evansii* © Neil Morse and Gerald Carr courtesy of Oregon Flora Project. *Xylea sempervirens* courtesy of Paul Miettinen

**10 am — 3 pm**  
**Saturday, May 25, 2019**  
**McMinnville Public Library**  
Carnegie Room, 225 NW Adams St., McMinnville, Oregon  
More information: 971-267-0058, [www.facebook.com/NPSO.Cheamill](http://www.facebook.com/NPSO.Cheamill)

Free Admission  
Presented by  
Cheamill Chapter  
Native Plant  
Society of Oregon

**Indoor Display**

The public is invited to view the free bloom display inside the Carnegie Room. Members of the Native Plant Society have followed ethical standards to gather fresh specimens of native flowers and samples of trees and shrubs for your enjoyment. Each stem is placed in a labeled vase, so viewers can learn to identify native plants by common name as well as scientific names and plant families.

**Native Plant Sale**

A wide variety of native plants grown locally will be available for purchase in the plaza in front of the Carnegie Room starting at 10 a.m. Our members will help you purchase plants and trees best suited for the conditions of sun, soil and moisture of your home garden.

**New This Year: Free Seeds and Plants**

Monarch butterflies require one particular plant, the showy milkweed (*Asclepias speciosa*), to lay their eggs. At the wildflower show this year, we will be giving away showy milkweed seeds for visitors to plant. It's a thrill to see Monarch eggs, caterpillars, and butterflies in your own garden. And the flowers are exquisite - see the photo on our poster this year.

**Every 30 minutes during the Wildflower Show & Native Plant Sale, a lucky visitor will win a drawing for a free native plant of their choice.**

**20th Anniversary of the Native Plant Garden**

Twenty years ago in July, the Native Plant Garden at McMinnville Public Library was designed and planted. Today, the mature garden is blooming and beautiful. Visitors appreciate seeing how native plants can develop the kind of landscaping anyone would enjoy and be proud of — all without fertilizers, chemicals, regular watering or intensive maintenance.

**Education**

As part of the Native Plant Garden's 20th anniversary celebration, people who have worked in the garden all 20 years will offer small-group tours every hour. If anyone is thinking of adding natives to a home garden, these knowledgeable native plant enthusiasts can offer guidance.

**Weed Table**

Inside the Carnegie Room, a separate table is reserved for non-native species and invasive weeds. Take a look at these species to be sure you haven't been inadvertently cultivating an invasive species in your home landscape! A member of the Native Plant Society will show you how to identify these species and describe how to effectively remove them.

**Support Conservation**

The Native Plant Society of Oregon is dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats. Over 450 of our native plant species are listed as threatened or endangered by the Oregon Biodiversity Information Center. You can help conserve and preserve species and habitat for all native species with your donation, or better yet, your membership in the local Cheahmill Chapter.

# Willamette Valley Chapter Scholarships

## Students: Take Note!

The Willamette Valley Chapter will once again be offering two scholarships for 3rd and 4th year students who will be enrolling in plant systematics or plant ecology at any Oregon college or university for the 2019-2020 school year. Two qualified applicants will be selected to receive \$1,000 from either the Augusta Rockafellar Memorial Scholarship Fund or the Jean Davis Memorial Scholarship Fund.

Applications will be accepted by mail until **June 1, 2019**. Don't let this opportunity pass you by!

### Rules for Scholarship Awards:

1. Scholarships are available to students in Oregon colleges, planning their major study in plant systematics or plant ecology.
2. Scholarships are awarded in the amount of \$1,000 to worthy students who will complete at least two years of satisfactory college work by July 1 of the year of receipt of application and are full time students. Graduate students may be eligible if they meet all qualifications except that of full time student.
3. Awards are made in the following manner:
  - a) A certificate is presented to the recipient.
  - b) A check in the amount of the award is submitted to the school of choice, as set forth in rule 1, to be used toward tuition within the following academic year.
4. If an award recipient fails to enroll, changes his or her major, or leaves the school before completing the period for which the award was granted, the full amount or unused part of the money shall be returned to the Memorial Scholarship Fund.
5. Applicants are required to submit:
  - a) In their own words, a statement of academic and career intent.
  - b) Two letters of reference from persons able to judge the student's ability to successfully complete study in the area of plant systematics or plant ecology.
  - c) Full academic record (transcript).
6. The Scholarship Committee Chair must receive all applications, together with items listed in rule 5, no later than June 1. The award will be made by July 1.
7. Scholarships cannot be granted to Scholarship Committee members or their relatives.

Please mail applications and the required documentation to:

Thomas Jenkins  
Scholarship Committee Chairman  
14380 Salt Creek Rd.  
Dallas, OR 97338

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## State & Chapter Notes

### State Notes/Announcements:

**State Board Meeting** - The next State Board Meeting is scheduled for July 14th, 9:00am to 1:00pm at the Annual Meeting (Pacifica: A Garden in the Siskiyou).

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Chapter Notes:

Blue Mountain

For information on Blue Mountain Chapter, call Jerry Baker, 541-566-2244. To get on our email list, contact flora.id@wtechlink.us.

Cheahmill

For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at ch_president@NPSOregon.org. Check out our Facebook page at [facebook.com/Native Plant Society of Oregon: Cheahmill Chapter](https://facebook.com/NativePlantSocietyofOregon).

Meeting and work party location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. The library parking lot may be entered from either Adams or Second streets. Meetings start at 7 pm. Doors open at 6:45 pm for socializing.

May 18, Saturday, 9:00 am to 11:00 am

Work Party: Native Plant Garden at McMinnville Public Library

Spend a couple hours between 9 and 11am with a congenial crew and get to know native plants with our new green plant markers. Learn how the beauty, diversity and educational value of this mature demonstration garden is maintained with a minimum of effort. Bring gloves, bucket and gardening tools if you have them. For more information, contact Catie Anderson at catie.fishback@gmail.com or 503-435-2401.

May 25, Saturday, 10:00 am to 3:00 pm

Wildflower Show and Native Plant Sale

Location: McMinnville Public Library

Join us for our Wildflower Show where fresh specimens of native flowers, trees, and

shrubs will be on display. Each sample is labeled so viewers can learn to identify them by their common name as well as scientific names and plant families. A table with non-native species and invasive weeds will also be on display. A wide variety of native plants grown locally will be available for purchase. We will be giving away showy milkweed seeds and have drawings for free native plants. We will offer tours of the Native Plant Garden at the McMinnville Public Library every hour to celebrate its 20th anniversary.

May 10, Half-day (12:30-5:00 pm)

Field trip to Baskett Slough National Wildlife Refuge and adjacent vineyard property with restoration project

Difficulty: moderate. We will be led by Chris Seal who has worked in both restoration projects, and hear his expert perspective on landscape management for multiple species on private and public lands. We hope to view golden paintbrush and Kincaid's lupine, among other gems. There will be birds.

May 29, Full Day (10 am - 4 pm)

Field trip to conservation properties managed by the Yamhill Soil and Water Conservation District in Muddy and Gopher Valley

Difficulty: moderate. Amie Loop-Frison will show us the secrets of two properties with many unique native plants, a large population of western pond turtles, and more. We should see several species of butterflies, rare and otherwise. Poison oak is present, as are yellow jackets or wasps. The route will traverse grassy field and slopes. NOTE: This is the first formal field trip to these sites, so there will be some discussion about what routes and topics are best for the 2020 Annual Meeting field trip. Pre-registration is required to attend these trips. The number of participants will be limited, to enhance the experience for all. Since these trips are preparatory for the annual meeting, and attendance is capped at 15, current, paid up members will have priority. To register, email ch_president@NPSOregon.org.

Corvallis

For questions, information on upcoming events, or to be on the Corvallis Chapter email list, contact co_president@NPSOregon.org. Find us on Facebook at facebook.com/CorvallisNPSO.

May 5th, 10 am - 4 pm

Spring Garden Sale

Sunday at Central Park in Corvallis in front of the Art Center is the annual Spring Garden Sale - Corvallis Chapter will have a booth with a diversity of beautiful native plants for sale from 10 am to 4 pm. Volunteers still needed for helping with the booth. Contact Esther for more information 541-754-0893.

May 13 at 7:30 pm

May Meeting

Room 2087 of Cordley Hall, OSU. Research scientist, Chris Maser, will speak on "The inviolable biophysical principles that govern how a forest functions." He explains, "Everything is a relationship based on the flow of energy in which nothing is

reversible. All relationships are self-reinforcing feedback loops. All systems are based on composition, structure, and function."

May 19th, 10 am - 12 pm

Sunday Work party at the Avery House native plant garden in Avery Park

Come and help clean up our native plant garden for a few hours and check out the butterfly garden. Bring a trowel, bucket, water and appropriate clothing for the weather. Contact Esther for more information.

May 22nd, 9 am - 1 pm

Field Trip: Kingston Prairie, Stayton

One of the few native prairies in Western Oregon that was never plowed is found at Kingston Prairie. The unique shallow bedrock supports an incredible diversity of native wildflowers such as shooting stars, endangered Bradshaw's lomatium, and saxifrages. Greenbelt Land Trust now owns this iconic property, originally protected by The Nature Conservancy. Meet at the Greenbelt Land Trust office at 101 SW Western Blvd, Corvallis. There are no trails but the site is flat and close to a road. Drive time is one hour each way. Please RSVP to matt@greenbeltlandtrust.org since this is a delicate site and limited to 12 people.

Emerald

Our chapter meets the 3rd Monday at 7 pm through April, at the Amazon Community Center. Visit the Emerald Chapter website at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

We want you! If you have leadership or coordination experience, are looking to build your resume, or enjoy sharing your knowledge of native plants, we want to hear from you! The Emerald Chapter is currently seeking officers to join our active board. Positions include president, vice president, secretary, and publicity and field trip committee chairs. If interested, please send an email to em_president@npsoregon.org.

May 4th, 1:00 pm

Landscaping with native plants in South Eugene

The 4 private gardens that we are visiting exhibit creativity and a great fondness for native plant species. The gardeners have interesting histories of their projects. At 1:00 pm we assemble at Jesse Herren's place at 2753 Alder Street. We spend 45 minutes to an hour at each place. From here we drive to the home of Clay and Gail at 350 East 32nd St. They incorporated a small existing wetland into their landscape. Next on the tour is Alan and Jan Butler's home at 2261 Jefferson St. And finally at Adam Novick's place at 3715 Donald St. we view a beautiful remnant Willamette Valley prairie. From Adam's backyard deck we gaze upon Oregon white oak trees, fawn lilies and camas. For more information call Dave at 541-345-5531 or email dpredeek@msn.com.

May 11th, 8 am - 3 pm

Bikes to Bloom Wildflower Event

Bake Stewart Park, Row River Rd., Dorena (12 mi. east of Cottage Grove)
Discover spring wildflowers in bloom at Bikes to Blooms on Saturday, May 11th from 8 am to 3 pm at Bake Stewart Park! With a local expert as your guide, you're invited to explore a rare, remnant prairie and oak habitat along Dorena Lake. Bikes to Blooms is a free, educational event featuring activities for families and nature enthusiasts, including a morning bird walk, stewardship opportunities, educational booths hosted by local organizations, and guided wildflower walks. Travel southeast of Cottage Grove and experience this ecologically valuable and scenic landscape and to see the southern Willamette Valley in bloom.

May 16th, 5:00 pm - 7:00 pm

NPSO Emerald Chapter program planning potluck

350 E 32nd Ave, Eugene. Please park on street or ride your bike and walk around west side of house through backyard gate. For more information and location contact Steven Yeager at 541-521-3965 or email em_president@npsoregon.org.

May 18th, 9:00 am

Volunteer: Mt. Pisgah Arboretum Wildflower and Music Festival

Help to collect, identify and set up flora displays. We will start at 9am and continue throughout the day. Please call Steven Yeager at 541-521-3964 if interested.

May 19th, 10 am - 5 pm

Event: Mt. Pisgah Arboretum Wildflower and Music Festival

NPSO needs volunteers for the information booth. Contact Steven Yeager at 541-521-3964 if interested. Location: Mt. Pisgah Arboretum White Oak Pavilion. Directions: In South Eugene go east of I-5 at 30th Avenue and follow Seavey Loop to Mount Pisgah. For full festival details visit mountpisgaharboretum.com.

June 1st, 9:00 am

Field Trip: Horse Rock Ridge

Alan Curtis leads a 3 mile hike to a steep, rocky meadow high in the Coburg Hills north of Springfield. Enjoy wonderful views of the surrounding countryside and great botanical diversity. Bring water and lunch. Location: meet at 19th and Patterson in the South Eugene High School parking lot. For more information, call Alan Curtis at 541-345-2571 or email abcwoods1@gmail.com.

Filipendula

For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, carlajeancole@gmail.com.

All year: North Oregon Restoration Partnership potting days in Tillamook, OR at the nursery, with Maysa Miller

We will share the volunteer activity dates, and encourage everyone to join during the year to help the nursery with potting up native plants. It's a great way to pick up new skills in potting and handling native plants. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

June 5th, Wednesday, 9 am***Iris tenax* in bloom at Ecola State Park**

Hiking a section of the Oregon Coast Trail between Crescent Beach and Indian Beach, round trip of 3 miles. This is the northernmost known population of *Iris tenax* on the Pacific Northwest coast. Other species seen on this trail include *Sidalcea hirtipes* and several violets. Entry to Ecola State Park requires a state park permit. Start time is 9 a.m. End time is around 1 p.m. Wear boots and weather appropriate clothing; bring food and water. Hike organizer is Kathleen Sayce. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

High Desert

For information, visit the High Desert Chapter website: www.highdesertnpsoregon.org and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email highdesertnps@gmail.com.

May 4th, Saturday, 9 am - 4 pm**Scabland refresher**

The High Desert Chapter of the Native Plant Society of Oregon sponsors the Adopt-a-Scabland project where volunteers monitor an Ochoco scabland under the direction of the Paulina Ranger District botanist for the Ochoco National Forest. The purpose of the program is to train citizen scientists to monitor the ecological health of Ochoco scablands. Scablands are unforested areas of very shallow soil that provide unique habitat for native plants and wildlife. Volunteers receive training in scabland ecology and data collection, find a fellow team member and schedule a field day to walk a scab (or two) once or twice a year. Volunteers are asked to complete a monitoring checklist, noting things like unauthorized vehicle use and invasive species. The Forest Service then uses the data to gauge the health of the scablands. The program also promotes a deeper understanding of this unique resource so that the public can be better engaged in scabland conservation. The training will be in Prineville and will run from 9 am to 4 pm and include a trip to the Ochocos. Another follow up training may occur in July. If you are interested in helping on this project, please contact Leslie Olson at lolson@bendcable.com

May 16, Thursday, 7:00 pm**“Much More than a Desert”: John Leiberg in Eastern Oregon**

Jack Nisbet will be speaking to a joint meeting of the Archaeological Society of Central Oregon and the High Desert Chapter of the Native Plant Society at Oregon State University-Cascades, Room 111, Tykeson Hall. Parking is free in the campus lot after 5pm. Nisbet wrote the book “The Dreamer and the Doctor” about John B. Leiberg and his doctor wife, Carrie. John and Carrie Leiberg cut a wide swath through the Pacific Northwest at the end of the 19th century, engaging in activities that ranged from timber assessments and fire ecology to public health and suffrage politics. Nisbet’s slide presentation will focus on two landmark plant surveys that John made through eastern Oregon in 1894 and 1896. Join us for a look at habitats Leiberg explored from the Blue Mountains to Bend and from the Malheur River to Crater Lake.

May 25, Saturday, 9:00 am**Horse Ridge RNA Hike**

Meet at Wilco Parking lot in Bend at 9 a.m. for carpooling or at the Sand Canyon trailhead on the Horse Ridge frontage road at 9:30 am. Distance/difficulty: moderate trail hike. We can avoid all the climbing by driving one vehicle to the west side of Horse Ridge and park it in the BLM trailhead parking lot. We'll leave that vehicle and take 2 or 3 vehicles to the south side of Horse Ridge (via Millican Valley) and start the hike there, which is much easier and quicker getting into the core of the RNA. Limit: 10 participants, **RSVP required by email to reidschuller@bendbroadband.com**. Bring: food and water, sunscreen, hat, boots and your signed NPSO waiver. No dogs. Not suitable for young children. Trip leader: Reid Schuller. Horse Ridge Research Natural Area is a 600 acre tract that occupies predominantly north- to northeast-facing slopes on Horse Ridge about 15 miles east of Bend. Originally established as an RNA in 1967, it supports a late-seral example of the western juniper/big sagebrush/threadleaf sedge (*Juniperus occidentalis*/*Artemisia tridentata*/*Carex filifolia*) plant association and lesser amounts of the juniper/sagebrush associations with Idaho fescue and bluebunch wheatgrass. Located in the extreme southwest portion of the Blue Mountains Ecological Province, it supports a large population *Carex filifolia*, which has been largely eliminated by grazing over much of its range. The RNA is also home to the oldest juniper in Oregon, estimated to be 1,600 years old.

Klamath Basin

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com>.

The Klamath Basin Chapter will offer a tour of native plant gardens at the Klamath County Museum on May 11, followed by a native plant sale at the Museum on May 18.

Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at mc_president@NPSOregon.org.

Portland

Take a look at our Facebook page. Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hikes and other events as well as great plant pictures. All hikes and programs, plus many more hikes, are also posted on our Meetup page: <https://www.meetup.com/NPSO-Portland/>

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm. MEETING PLACE: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We will meet in Copeland Commons; enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

*** Native Plant Month PDX 2019** - Throughout the month of May, the Portland Chapter is

promoting Native Plant Month PDX 2019 (NPM-PDX 2019), a month-long celebration of native plants through a variety of informative and engaging events sponsored by NPSO, friends, and partners. As part of NPM-PDX 2019, participants can experience a variety of guided nature walks and outings in the Portland area, visit a seed bank and a native plant center to learn how native plants are being preserved and propagated, and support stewardship efforts to protect native plants in jeopardy. To see this month's schedule of featured events, along with registration information, please visit the Native Plant Month PDX website, located at npmpdx.org.

May 5th, 8:00 am - 4:30 pm

Trip/Location: Scotch Broom Pull at Great Camas Patch/Giant Trees of Lost Creek Hike, Carson, WA

Leaders: Roger Brewer, Susan Saul, & Jason Clinch

Description: Over the last few years we have made excellent progress toward control of Scotch Broom on this piece of property near Carson, WA that Russ Jolley made famous on the cover of his book *Wildflowers of the Columbia River Gorge*. At this work party, we will be looking for and eliminating new scotch broom sprouts and removing older plants we might have missed in the past. We'll have saws and loppers but it may be helpful, to bring more as well as your gloves and clippers. We will work for about 2 hours, from about 9:30 am to 11:30 am, followed by a quick lunch. After paying the price of admission at Great Camas Patch, the Giant Trees of Lost Creek will be the reward for your labor. Hike underneath the ancient Douglas-fir and western red-cedar trees of Lost Creek. In the late 1990s, the late Russ Jolley helped save the 170 acres of big, old trees from a timber sale and this place was dear to him. The hike will be on an unofficial path forming a fairly easy 1.5 mile loop. Expect to walk across streams on logs and climb over or around fallen trees. Anyone wanting to participate in the Scotch Broom Pull but not continue to the Lost Creek Trees hike is welcome to return home after the Pull if you have driven. If you need a carpool, we will do our best to divide people up by car depending on their desire to return to Portland after the Pull or continue on to Lost Creek Trees. Contact Roger at rogerbrewer@comcast.net for more information or to sign-up.

May 7th, 5:30 pm - 7:30 pm

Trip/Location: Camassia Preserve, West Linn, OR

Leader: Jason Clinch

Description: Easy one-mile hike through a Nature Conservancy preserve named for the common camas (*Camassia quamash*) which profusely blooms here in April and early May, this preserve hosts more than 300 plant species. The rocky plateau was exposed 12,000-19,000 years ago when the Bretz Floods or Missoula Floods poured down the present Columbia River Gorge and far into the Willamette Valley. The floods swept soil and vegetation from parts of the valley and deposited granitic boulders (called "glacial erratics") from as far away as Canada. Meet us at the entrance at 5000 Walnut Street, West Linn, OR 97068. This hike is limited to 12 people and parking is very limited so please carpool. The preserve is small so you may be able to still join the group if running late. Contact Jason at jason.clinch@gmail.com for more information or to sign-up.

May 9th, 7:00 pm**Program: Cape Horn Conservancy efforts in Columbia Gorge****Presenter: Cyndi Soliz, Partnership Specialist - Skamania County Noxious Weed Program**

An unparalleled success story of protecting habitat for Peregrine falcons and native plants includes the stunning basalt cliffs of Cape Horn to the top of Mt. Pleasant. Founder of the Friends of the Columbia Gorge, Nancy Russell led the efforts to buy a critical series of lots planned for development there and the rest is history. Hear about current efforts to control invasive weeds and continue native plant restoration and protection on public and private lands.

May 9th, 8:30 am - 4:30 pm**Field Trip: Memaloose Hills/Castilleja Hill****Leaders: Willow Elliott, Mary Hayden, Linda Hardie**

Description: Wildflower hike in the east Gorge, moderate, 5-6 miles, 800-foot elevation gain. The hike is best done for the first time with someone who knows the trail. It is jam-packed with a large variety of flower species, including the rare *Suksdorfia violadea* saxifrage and big shows of balsamroot. It boasts a pioneer road, basalt formations, several lovely views of the Columbia River and views of both Mt. Hood and Mt. Adams. Located just east of the town of Mosier, we will head for the steep climb up to Castilleja Hill for lunch and great flowers with a 360 degree view (good knees and stability required for the short, but steep up and down hill climb on loose soil). Meet near the Gateway Park & Ride (Portland) on NE 99th Ave behind Fred Meyer at 8:30am to carpool or at the Memaloose Rest Area on I-84 Eastbound parking lot at 10:00 am. There is no mile marker for the exit, but it's just east of the Mosier exit. The drive is 140 miles round-trip from Gateway area (NE Portland). Mary at hayden.mary.k@gmail.com for more information, carpooling info, what to expect and to sign-up. Notice: Poison ivy and ticks will be present.

May 14th, 12:00 pm - 1:00 pm**Trip/Location: Urban Lunch Hour at Tanner Springs Park, Portland OR****Leader: Rick Shory**

Description: In this sunny "restoration ecology" setting in Tanner Springs Park, the City of Portland Parks Department has gathered together some delightful native wildflowers you would have to travel far to see in their natural haunts. Water features make a pleasant retreat from the urban bustle. During this urban lunch-hour walk, the walk leader will provide insights on the native plant species, if you want to learn about them — or you can just relax and enjoy this urban oasis of nature. The leader, Rick Shory, has worked throughout the West as a Forest Service botanist. Registration is required; for more info and to register, visit: <https://www.meetup.com/NPSO-Portland/>

May 18th, 1:00 pm - 3:00 pm**Trip/Location: Dalton Lake, St. Helens, OR****Leader: Caroline Skinner & Joan Rainey**

Description: Join the Friends of Dalton Lake and the Native Plant Society of Oregon for

viewing water lilies, wapato, Columbia lily, great camas and many other native plants. Dalton Lake is a natural area along the lower Columbia River, in St Helens, Oregon. Come see and learn about the native plants found in this Columbia County riparian and woodland ecosystem at the beginner's level. Long pants and long sleeves are suggested. There is abundant poison oak in the bluff area. The event is on, rain or shine, so dress for the weather. Directions: Take Hwy 30 from Portland toward Astoria. Pass Scappoose. In St Helens, turn right onto Deer Island Road at stoplight. Take an immediate left after crossing the railroad tracks onto Oregon St. The most visible sign identifies the Columbia Humane Society (2084 Oregon St). We'll meet at the parking area, then walk a short way down an asphalt path before turning into the woods. Trails are generally good, with a few hills and slopes. Parking is available in the lot shared by the animal shelter and the Columbia County Road Department (1054 Oregon St.). Dalton Lake is owned by ODOT and managed by the City of St. Helens; it's open to the public from dawn to dusk. Email jeraimey@comcast.net or Joan at 503-248-9719 to register and get more details.

June 8th, 9:00 am - 4:30 pm

Trip/Location: Larch Mountain, Mt. Hood National Forest, Oregon

Leader: Ron Klump

Description: This is a moderate to strenuous hike that consists of an approximately 7 mile loop with an elevation gain of 1,300' through mostly forest and some riparian. We will also view wildflowers that have emerged within the last several weeks from the recent snow melt. Bring lunch and water. Meet at the Gateway Park & Ride (Portland) at 9:00 am to carpool. Drive is 60 miles round-trip from Gateway Park & Ride area (Portland). Contact Ron at klumpron@gmail.com for more information on meeting place or to sign-up.

June 13th, 7:00 pm

Program: Plants of Isle Royale National Park, Upper Peninsula of Michigan

Presenter: Lisa Appel, Conservation Outcomes Specialist, OR Watershed Enhancement Board

How could a rocky island in Lake Superior with harsh winters support over 600 flowering plants, from pond dwelling duckweeds to rare eastern paintbrushes and yellow mountain saxifrages? Learn about the geologic and glacial forces that formed the Great Lakes and this special place so different from the NW by a former member of the Michigan Native Plant Society now transplanted to the Cascadia Region.

June 15th, 8:30 am - 4:30 pm

Trip/Location: Saddle Mountain, Saddle Mountain State Park, Oregon

Leader: Rick Shory

Description: This botanic gem in the Oregon Coast Range is chock full of wildflowers including *Dodecatheon dentatum*, *Corydalis scouleri*, *Allium crenulatum*, *Lewisia columbiana*, *Sidalcea hendersonii*, *Polypodium scouleri*, *Saxifrage caespitosa*, and many others. If we make it to the summit and the weather cooperates, we'll be treated to a view from Mt. Rainier to Mt. Jefferson. Full day. The hike is 5 miles round trip with 1,600 feet of elevation gain, although we will go at a botany pace (slow). Meet at the Sunset Transit Center Park &

Ride. 160 miles round trip from Portland. Contact Rick at rickshory@gmail.com for more information or to sign-up.

Siskiyou

To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2018, make a suggestion, or provide feedback regarding the field trip program, please contact Katelyn Detweiler, detweiler.katelyn@gmail.com. Join us on Facebook at: <https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon>

May 4th, 10:00 am

Native Grass and Forb Seed Crop Tour

J. Herbert Stone Forest Service Nursery (JHSN) is a major reforestation nursery for government clients managing public lands. JHSN also grows native grasses and forb seed crops for clients who use the harvested seed in wildland restoration projects on public lands. Most of the grass and forb seed crops are bolting or blooming this time of year. So it's a good time to visit, see them in an agricultural setting, and learn a bit about growing them. Wayne Rolle, a retired local Forest Service botanist and currently a volunteer at JHSN, will lead a field trip to learn more about native grass and forb seed crop grown at JHSN. Rendezvous for this leisurely 2 ½ -hour walking tour will meet at the main JHSN entrance on Hanley Road (0.35 miles north of the intersection with Ross Lane and please note this is NOT the Old Stage Road entrance). For more information or to sign up please contact Katelyn Detweiler at Detweiler.katelyn@gmail.com.

May 11, 9:30 am

Cedar Log Flat Research Natural Area

Join hike leaders from Applegate Neighborhood Network (ANN) and the Siskiyou Chapter Native Plant Society of Oregon (NPSO) on a hike to the Applegate Watershed's only *Darlingtonia* wetlands. *Darlingtonia californica*, otherwise known as cobra-lily or California pitcher plant, is an unusual insectivorous plant found most commonly in serpentine wetlands. We will be visiting the Cedar Log Flat Research Natural Area to explore the beautiful serpentine wetlands, pine savannas, and red rock wildflower displays of Slate Creek. The area contains numerous rare plant species, including rare plants otherwise found only in the Illinois River Watershed. Come join this botanical exploration into one of the Applegate Watershed's most unique habitats. Where: Meet at the Hidden Valley Market parking lot in Murphy to carpool to the Cedar Log Flat RNA on Slate Creek. Please RSVP: luke@applegateneighborhood.network.

May 19, 9:00 am

Lichen Hikin' with a Fun-gi

Spring is a prime time to observe lichens, bryophytes and terrestrial algae at upper Table Rock with John Villeda, a botanist with Siskiyou Bio Survey and member of the American Bryological and Lichenological Society. Some lichen highlights include variant forms of *Xanthoparmelia* and *Dermatocarpon* and local rarities such as *Pharmelina* and *Peltula*. Hand lenses and field guides are encouraged, but not required. Please register

at <https://lichen-hike-2019.eventbrite.com>. Registration for April hikes will begin on March 22, 2019.

May 21st, 12-3 pm

Botany and Butterfly Community Science Survey at Vesper Meadow

Join in the community science monitoring at Vesper Meadow. In its inaugural year, participate in surveys for the federally threatened Mardon Skipper, take inventory of blooms, and help establish the baseline information to guide wildlife habitat restoration efforts. This upland wet meadow, providing big sky views of Mt. McLaughlin will be in prime Camas bloom in May, and Wyethia and Corn Lily bloom in June. Additional community science opportunities may also be available, such as: seed collection, invasive weed pulls, and GPS recording. Please be in touch with jeaninemoy@gmail.com for questions or inquiries.

Umpqua Valley

Visit umpquavalleynativeplants.com for more information on chapter activities or to be added to our email list. Check out our Facebook page, www.facebook.com/UmpquaValleyNPSO. Not online - call Donna Rawson 541-643-0364.

We are organizing a monthly work party for landscape maintenance of the three native plant gardens we are continuing to enhance. If you like to work with plants and have some flexible time we could use your help. Contact Donna at 541-643-0364 (call or text).

Willamette Valley

For program information, contact John Savage at 503-779-5414, john@straubcenter.org.

May 4, 1:00 - 3:30 pm

Field Trip: Kingston Prairie Preserve

Join Straub Outdoors educators and members of the Willamette Valley Chapter of the Native Plant Society of Oregon on an easy afternoon walk to view the rare Bradshaw's Lomatium (*Lomatium bradshawii*) and other blooming wildflowers at the Kingston Prairie Preserve southeast of Stayton. The 152-acre Preserve is the best example of native prairie remaining in the Central Willamette Valley. Bring water, a snack, sturdy walking shoes, and a jacket. Location: meet in the parking lot at the Willamette Heritage Center, [1313 Mill Street SE, Salem](#) at 1:00 p.m. Transportation will be provided to and from the trailhead. Cost: \$5 per person. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

May 5, 9:30 am - Noon

Field Trip: Minto-Brown Island Park

Wildcrafter and certified herbalist Jody Beckwith will lead a walk at Minto-Brown Island Park near Salem to identify plants used by herbalists to create salves, tinctures, and other medicinal remedies. Bring water, snacks, sturdy walking shoes, and a jacket. Location: meet in the parking lot at the Willamette Heritage Center, [1313 Mill Street SE, Salem](#) at 9:30 am. Transportation will be provided to and from the park. Cost: \$5 per

person. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

May 9th, Thursday, 6:00 pm

Nature Talk: Wisdom Native Plant Nursery Academy

Join Rose High Bear (Deg Hit'an Dine, Inupiaq), co-founder of *Wisdom of the Elders*, for a presentation about the organization and its newest venture, the *Wisdom Native Plant Nursery Academy*. Since 2015, *Wisdom of the Elders* has provided training for Native American youth and adults in environmental assessment and habitat restoration. It has also worked with diverse groups to provide living-wage jobs for Native American crews who restore habitat for native plant species traditionally used for food and medicine. *Wisdom of the Elders'* new academy, located in rural Marion County, will offer Native Americans training in horticulture and agriculture. Rose formed *Wisdom* in 1993 with Martin High Bear, the late Lakota spiritual leader and medicine man. She served as its Executive Director through 2017 and now is Senior Advisor of *Wisdom Agricultural Business Incubator*. Location: Dye House at the Willamette Heritage Center, 1313 Mill St. SE, Salem. Open to the public. No registration or RSVP required. \$5 suggested donation. For more information, contact John Savage at john@strauboutdoors.org or at 503-779-5414.

May 11-12, 10:00 am - 5:00 pm

Field Trip: Silver Falls State Park (Mother's Day Weekend)

Members of the Willamette Valley Chapter of the Native Plant Society members will lead wildflower walks on both days of the annual Mother's Day Weekend event at Silver Falls State Park. Bird walks, presentations, photo hikes, and other field trips will also be available. View the work of nature artists, see a wildflower display, buy native wildflowers, and participate in a variety of crafts. For a full schedule of activities contact Matt Palmquist at matt.palmquist@oregon.gov or call 503- 874-0201.

May 19, 7:30 am - 5:30 pm

Field Trip: Hood River Mountain Meadow

Members of the Willamette Valley Chapter of the Native Plant Society of Oregon will lead an all-day walk to see Howell's Triteleia, Sticky-Stem Penstemon, Slender Godetia, Milk Vetch, and other Columbia Gorge wildflowers growing in a beautiful, flower-laden meadow overlooking Hood River. The walk will cover 2-3 miles with some elevation gain in the first mile. Bring water, lunch, snacks, sturdy walking shoes, and clothing for windy and wet conditions. Location: meet in the parking lot at the Willamette Heritage Center, [1313 Mill Street SE, Salem](https://www.willametteheritagecenter.org/1313-Mill-Street-SE-Salem) at 7:30 am. Transportation will be provided to and from the trailhead. Cost: \$10. Space is limited. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

May 26, 9:00 am - 3:00 pm

Field Trip: Finley Wildlife Refuge

John Savage of the Willamette Valley Chapter of the Native Plant Society of Oregon will lead an all-day walk to view the wildflowers at the William L. Finley National Wildlife Refuge near Corvallis. Golden Paintbrush, Nelson's Checkermallow, Peacock Larkspur, and

other rare and endemic species grow in the untouched Natural Resource Area. Bring water, lunch, snacks, sturdy walking shoes, and a jacket. Location: meet in the parking lot at the Willamette Heritage Center, [1313 Mill Street SE, Salem](#) at 8:00 am. to carpool. Transportation will be provided to and from the trailhead. Cost: \$10. Space is limited. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

June 2, 8:00 am - 5:00 pm

Field Trip: Mt. Hebo

John Savage of the Willamette Valley Chapter of the Native Plant Society of Oregon will lead a day hike to view the rare Coast Fawn Lily (*Erythronium elegans*), Caldwell's Penstemon, Rusty Saxifrage, and other wildflowers of Mt. Hebo, near Grand Ronde. The four-mile walk (with 300 feet of elevation gain) also features a stunning view of the ocean. Bring water, lunch, snacks, and appropriate foot gear and clothing for wet and cold conditions. Location: meet in the parking lot at the Willamette Heritage Center, [1313 Mill Street SE, Salem](#) at 8:00 am. Transportation will be provided to and from the trailhead. Cost: \$10. Space is limited. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

June 9, 9:00 am - 12:30 pm

Field Trip: Kingston Prairie

John Savage of the Willamette Valley Chapter of the Native Plant Society of Oregon will lead a morning walk to view the wildflowers at the 152-acre Kingston Prairie Preserve southeast of Stayton. The Kingston Prairie Preserve is the best example of native prairie remaining in the Central Willamette Valley. The wet and dry prairies harbor native grasses and host a wide variety of prairie wildflowers including rare and endemic species such as the Willamette Daisy, the Willamette Larkspur, Field Checkermallow, and the Common and Leichtlin's Camas. Bring water, snacks, and appropriate foot gear and clothing for the weather conditions. Location: meet in the parking lot at the Willamette Heritage Center, 1313 Mill Street SE, Salem at 9:00 am. Transportation will be provided to and from the trailhead. Cost: \$5 per person. Space is limited. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

William Cusick

Chapter notices and communications are done primarily through a Google group. For more information or to be added to the Google group, please contact Susan Geer at 541-963-0477 or susanmgeer@gmail.com. Find us on Instagram at [instagram.com/wm.cusick.chapter](https://www.instagram.com/wm.cusick.chapter). Our website is not currently functional.

OregonFlora



By: Dr. Linda K. Hardison
Director, [Oregon Flora Project](#)

Volume 2 of the Flora of Oregon is approaching completion! It will contain 1,677 species descriptions - 37% more than in Volume 1. It covers dicot families A - Fagaceae, and includes the sunflower family (which represents 11.6% of our state's flora), the mustard family, stonecrops, and the legumes. Front material will be of special interest to gardeners and naturalists: there will be richly-illustrated chapters on gardening with native plants, and plant-insect interactions that focus on butterflies and pollinators. We are targeting publication in autumn this year.

Our restructured oregonflora.org website is receiving a bonus design input thanks to the generous support of Metro and partners in the Adult Conservation Educators NW group. An assessment to optimize the site's effectiveness for diverse users will introduce some design changes to make OregonFlora's amazing resources even more useful. Launch of the new website will be this summer.

Our new initiative studying the integration of native species and habitats into working agricultural lands is underway! One project site is on fallow ag fields owned by and adjacent to the Oregon State University main campus. We are working with researchers across many OSU divisions, community partners, and individuals to demonstrate conservation and careful land management for production are compatible goals.

All of these activities need funding to reach completion. Your participation—as grant-writers, fundraising event coordinators, and donors—is important and most welcomed! Opportunities to volunteer are also available; contact us at ofpflora@oregonflora.org, or 541-737-4338.

We gratefully accept your donations online (www.oregonflora.org/supportOFP.php) or mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320, Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include "OFP" on the memo line.

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- Publications: Cindy Roche and Kareen Sturgeon
- Bulletin Editor: Alix Danielsen
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- More information about our NPSO Fellows [here](#).

Chapter Presidents and contact information [can be found here](#).



Website



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Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study of
Oregon's native plants and habitats

June 2019

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If you have any questions, please contact us at [bulletin@npsoregon.org](mailto:bulletin@npsoregon.org).

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## Only in the Owyhee



By Corie Harlan, Owyhee Canyonlands Coordinator, ONDA

17 million years ago, the hotspot that currently fuels the many geothermal wonders under Yellowstone National Park was at work transforming the region where Idaho, Oregon, and Nevada's borders meet today.

Four calderas in the Owyhee Canyonlands area exploded simultaneously, spewing hot volcanic gases, volcanic ash, and large chunks of volcanic rock and molten froth for thousands of square miles. The multiple ash layers and numerous deposits laid down during this time boast a painter's palette of colors, ranging from yellow to green to red with streaks of black and brown throughout.

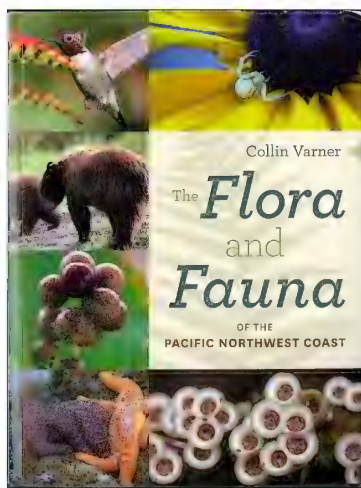
As journalist Tim Neville observed during one of his many visits, "Oregon's Owyhee reminds me a lot of Southern Utah's red rock country... only dipped in fudge."

[To read the full article, click here.](#)

Thank you to [Oregon Natural Desert Association](#) for sharing this article with us!

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## Book Review



### **Flora and Fauna of the Pacific Northwest Coast**

Colin Varner. 2018. University of Washington Press, Seattle, Washington. ISBN 978-0-295-74464-3 464 pp. 2000 color illus. 7.5 x 10 in. Paper. \$34.95

Colin Varner started his career in 1977 in the botanical garden of the University of British Columbia, where he became the university's arborist/horticulturist and also teaches native plant studies. He spent 17 years collecting information and photos for this book. Most of the photos are by the author and most are stunning. The layout is impressive as well. In the author's definition, the Pacific Northwest coast extends from Juneau, Alaska, to San Francisco, California. As if that weren't a big enough area, he extends his coverage inland about 60 miles, so that the species in this book are "the delights that the ambler encounters from the intertidal to the subalpine areas." If one skips over this introduction, it could be confusing to encounter high elevation species in a book about the coast.

As the title indicates, there are two main divisions in the book, flora and fauna. The flora section has eight chapters: Flowering Plants, Berries, Ferns, Shrubs and Bushes, Trees, Fungi and Allies, Invasive Plants, and Marine Plants. The fauna section has six chapters: Birds, Land Mammals, Amphibians, Reptiles, Insects and Associates, and Marine Life.

The Flowering Plants chapter includes mostly forbs with showy flowers, arranged alphabetically by family name, from Asteraceae through Violaceae. Curiously, here he includes three members of the family Lycopodiaceae, which produce spores, not flowers. Goatsbeard, *Aruncus dioicus*, appears twice, once in Flowering Plants and again in Shrubs (pages 87 and 139). The only error we found here was that the photo for *Carex nigricans* on page 43 is a *Juncus* species, possibly *J. mertensianus*. Photos of the other two sedges, *Carex macrocephala* and *C. obnupta*, show the characters beautifully, and the understatement that *Carex macrocephala* is not pleasant to step on with bare feet is a nice touch. This section completely avoids grass species, possibly because the author considers them to be "more obscure species" that are not "visible to the typical viewer," and we can't argue with this.

The Berries chapter is mostly edibles; it includes two blackberries that are on several invasive species lists (*Rubus armeniacus* and *Rubus laciniatus*). The Fern chapter describes ten common ferns. In the Shrubs and Bushes chapter, photos show fruits or flowers and leaves or growth habit. Trees are also organized alphabetically by family

name, which serves, conveniently, to present the hardwoods first, followed by the conifers. Fungi and Allies starts with members of the sub-family of Ericaceae (Monotropoidae) and finishes with fungi ranging from *Amanita* to dog vomit slime mold. The problem with this is that whether one defines “allies” as related species or as species that help one another, the term does not fit here. Fungi are more closely related to a human baby than they are to plants (Dan Luoma, pers. comm.); the plants described in this chapter are now considered mycotrophytes.

The final chapter in the Flora section is a thorough and comprehensive collection of non-native plants. The author’s coverage is impressive and underscores the prevalence of introduced species in mild coastal environments. We are curious only about why, in the alphabetical listing of families, he chose to include wild proso millet (in the family Poaceae) in between the families Chenopodiaceae and Convolvulaceae. Compared to European beachgrass and cordgrasses, this is a relatively innocuous weedy grass. The more aggressive and easily identified genera of *Ammophila* and *Spartina* are not mentioned.

In the Marine Plants Chapter, one would be able to identify *Nereocystis* from the photo alone, but not *Macrocystis*. The rockweeds and sargassum are adequately presented; algae covered are most of the larger kelps and commonest greens and reds. Let’s say this chapter serves as an introduction to the uninitiated. The remaining chapters cover the fauna, but beyond admiring the photos, we won’t detail that section for this plant society review.

We don’t recommend this book as a technical guide, but as the author indicated, he wrote it for casual observers not deeply familiar with the natural history west of the Coast Range. The book is a bit too large to easily carry as a field guide, but with its lovely photos, it’s a book that visitors would be delighted to find in any vacation rental house along the coast.

— Kathleen Sayce, *Filipendula* Chapter and Cindy Roché, *High Desert* Chapter

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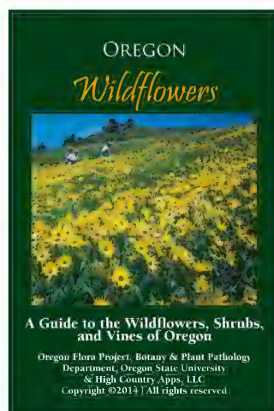
## OregonFlora



By: Dr. Linda K. Hardison

Director, [Oregon Flora Project](https://mailchi.mp/8589202ffcd9/npsa-bulletin-1833925?e=a112a40098)

Warmer weather and longer days are here, meaning it's time to get outside and explore the local flora! The Oregon Wildflowers app is an excellent resource to help you identify flowering herbs and shrubs you may encounter anywhere in Oregon. There are 751 species in the app that occur in the Siskiyou Mountains ecoregion, making this a must-have for your outings at the annual meeting this year!



Drawn from information of the Flora of Oregon, each of the 1,000+ plants in the app have multiple photos, a distribution map, and a brief description. The app also includes information about the plant families represented—a great way to learn the plant diversity of our state.

Purchase a copy for your [iPhone](#), [Android](#), or tablet from links given here, or from the [Oregonflora.org](http://Oregonflora.org) home page. A portion of the funds provide support for our program.

OregonFlora will be hosting a silent auction at the annual meeting. We hope you come prepared to bid generously in support of the work of OregonFlora, and take home some treasures in doing so!

Contributions can be made online ([www.oregonflora.org/supportOFP.php](http://www.oregonflora.org/supportOFP.php)) or mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320, Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include "OFP" on the memo line.

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## State & Chapter Notes

### State Notes/Announcements:

**State Board Meeting** - The next State Board Meeting is scheduled for July 14th, 9:00am to 1:00pm at the Annual Meeting (Pacifica: A Garden in the Siskiyou).

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Chapter Notes:

Blue Mountain

For information on Blue Mountain Chapter, call Jerry Baker, 541-566-2244. To get on our email list, contact flora.id@wtechlink.us.

Cheahmill

For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at ch_president@NPSOregon.org. Check out our Facebook page at [facebook.com/Native Plant Society of Oregon: Cheahmill Chapter](https://facebook.com/NativePlantSocietyofOregon).

Meeting and work party location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. The library parking lot may be entered from either Adams or Second streets. Meetings start at 7 pm. Doors open at 6:45 pm for socializing.

Corvallis

For questions, information on upcoming events, or to be on the Corvallis Chapter email list, contact co_president@NPSOregon.org. Find us on Facebook at facebook.com/CorvallisNPSO.

Emerald

Our chapter meets the 3rd Monday at 7 pm through April, at the Amazon Community Center. Visit the Emerald Chapter website at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

We want you! If you have leadership or coordination experience, are looking to build your resume, or enjoy sharing your knowledge of native plants, we want to hear from you! The Emerald Chapter is currently seeking officers to join our active board. Positions include president, vice president, secretary, and publicity and field trip committee chairs. If interested, please send an email to em_president@npsoregon.org.

Saturday, June 22, 10:30 am to 12:30 pm

Field Trip: McKenzie River Trust and the Native Plant Society Partner to Lead Tour of Spectacular Finn Rock Reach

This recent land acquisition of MRT contains about two miles of river front, numerous side channels, ponds, wetlands, and old floodplain forest in the scenic McKenzie River Corridor. The terrain does include some uneven ground. You will need to bring layers, water, and snacks. If you wish, bring binoculars and a hand lens. All participants need to register online through a link on the McKenzie River Trust Website after May 22. Go to mckenzie river.org. Meet 10:30 am at the Finn Rock Reach parking area located just past milepost 39, near the bus stop on the right. (Just over a mile past the old Finn Rock Grill.) If you wish to pool rides you can join us at 58th and Main St. behind the McDonald's Restaurant at 9:15 am in Springfield. For more information call Dave at 541-345-5531 or email dpredeek@msn.com.

Saturday, July 6, 9 am - 4 pm

Field Trip: Upper Elk Meadows

Alan Curtis leads this hike, located about 30 miles from Cottage Grove at 4,000 feet elevation. Over 200 species of vascular plants have been identified here. We expect to see *Fraseria umpquaensis* and several orchid species. Surrounding the meadow is an old growth forest of *Abies amabilis*, *Abies grandis*, and *Pseudotsuga menziesii*. We will walk 1.5 miles through moist meadow. Wear boots and bring lunch and water. Location: meet at South Eugene High School at 19th and Patterson. For more information, call Alan Curtis at 541-345-2571 or email abcwoods1@gmail.com.

Filipendula

For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, carlajeancole@gmail.com.

All year: North Oregon Restoration Partnership potting days in Tillamook, OR at the nursery, with Maysa Miller

We will share the volunteer activity dates, and encourage everyone to join during the year to help the nursery with potting up native plants. It's a great way to pick up new skills in potting and handling native plants. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

June 5th, Wednesday, 9:00 am

***Iris tenax* in bloom at Ecola State Park**

Hiking a section of the Oregon Coast Trail between Crescent Beach and Indian Beach, round trip of 3 miles. This is the northernmost known population of *Iris tenax* on the Pacific Northwest coast. Other species seen on this trail include *Sidalcea hirtipes* and several violets. Entry to Ecola State Park requires a state park permit. Start time is 9 a.m. End time is around 1 p.m. Wear boots and weather appropriate clothing; bring food and water. Hike organizer is Kathleen Sayce. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

July 17th, Wednesday, 9:00 am

Streamside walk at Oswald West State Park

Most visitors walk west to the ocean's edge. We will walk upstream along one of several streams, looking for low elevation *Filipendula*

occidentalis plants and other coastal stream species. Meet in the main parking lot (by the restrooms) at 9 am to start. End time is around 1 pm.

Wear boots and weather appropriate clothing; bring food and water. Hike organizer is Kathleen Sayce. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

High Desert

For information, visit the High Desert Chapter website: www.highdesertnpsoregon.org and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email highdesertnps@gmail.com.

Friday, June 7th, 8 am - 3 pm

Big Summit Prairie Wildflower Hike, Ochoco National Forest

Enjoy one of Central Oregon's premier wildflower viewing spots with a guided meander lead by Susan Berger and Jennifer Curtis. Balsamroot, Indian paintbrush, and *Calochortus* lilies will be some of the many floral delights seen. Limited to 12 participants; paid High Desert chapter members will be given priority for sign ups. Participants will need to RSVP

via EventBrite on the High Desert website. Meet at 8:00 am at Wilco parking lot, Hwy 20 in Bend to carpool. Easy walking over flat terrain and short distances. Bring water, lunch, snacks, and appropriate gear for a day in the sun.

Saturday, June 29th, 8 am - 3 pm

Metolius River Trail Hike

Summer flowers will be in abundance along the lush, riparian community of the Metolius River. A relaxed hike of 1-3 miles will allow participants ample time to view and photograph along the trail. Limited to 12 participants; paid High Desert chapter members will be given priority for sign ups. Participants will need to RSVP via EventBrite on the High Desert website. Meet at 8 am at the Starbucks on N Hwy 97 (Cascades Shopping center) to carpool. Bring water, lunch, snacks, and appropriate gear for a day in the sun.

Sign up for hikes at <http://www.highdesertnpsoregon.org/>.

Please contact High Desert chapter (highdesertnps@gmail.com) for more information on hikes and other events.

Klamath Basin

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com>.

Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at mc_president@NPSOregon.org.

Portland

Take a look at our Facebook page. Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hikes and other events as well as great plant pictures. All hikes and programs, plus many more hikes, are also posted on our Meetup page: <https://www.meetup.com/NPSO-Portland/>

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm. MEETING PLACE: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We will meet in Copeland Commons; enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

June 8th, 9:00 am - 4:30 pm

Trip/Location: Larch Mountain, Mt. Hood National Forest, Oregon

Leader: Ron Klump

Description: This is a moderate to strenuous hike that consists of an approximately 7 mile loop with an elevation gain of 1,300' through mostly forest and some riparian. We will also view wildflowers that have emerged within the last several weeks from the recent snow melt. Bring lunch and water. Meet at the Gateway Park & Ride (Portland) at 9:00 am to carpool. Drive is 60 miles round-trip from Gateway Park & Ride area (Portland). Contact Ron at klumpron@gmail.com for more information on meeting place or to sign-up.

June 13th, 7:00 pm

Program: Plants of Isle Royale National Park, Upper Peninsula of Michigan

Presenter: Lisa Appel, Conservation Outcomes Specialist, OR Watershed Enhancement Board

How could a rocky island in Lake Superior with harsh winters support over 600 flowering plants, from pond dwelling duckweeds to rare eastern paintbrushes and yellow mountain saxifrages? Learn about the geologic and glacial forces that formed the Great Lakes and this special place so different from the NW by a former member of the Michigan Native Plant Society now transplanted to the Cascadia Region.

June 15th, 8:30 am - 4:30 pm

Trip/Location: Saddle Mountain, Saddle Mountain State Park, Oregon

Leader: Rick Shory

Description: This botanic gem in the Oregon Coast Range is chock full of wildflowers including *Dodecatheon austro-frigidum*, *Corydalis scouleri*, *Allium crenulatum*, *Lewisia columbiana*, *Sidalcea hirtipes*, *Polypodium amorphum*, *Saxifrage caespitosa*, and many others. If we make it to the summit and the weather cooperates, we'll be treated to a view from Mt. Rainier to Mt. Jefferson. Full day. The hike is 5 miles round trip with 1,600 feet of elevation gain, although we will go at a botany pace (slow). Meet at the Sunset Transit Center Park & Ride. 160 miles round trip from Portland. Contact Rick at rickshory@gmail.com for more information or to sign-up.

July 6th, 8:00 am - 4:00 pm

Trip/Location: Lookout Mountain, Mt. Hood National Forest/Badger Creek Wilderness

Leader: Ron Klump

Description: Only the foundation remains of an old Forest Service fire lookout but the views are astounding! Mt. Adams, Mt. Hood, Mt. Jefferson and the Three Sisters can be seen on a clear day. Many wildflowers, interesting geology and alpine meadows make this a great early summer hike. Distance is an easy 3 mile roundtrip hike with elevation gain of 565 to the lookout at 6,525 feet! Mt. Hood looks like you could touch it! This hike is limited to 12 people due to federal Wilderness Area restrictions. Contact Ron Klump after signing up on "Meetup" or email klumpron@gmail.com to get specific directions to the meeting places in either Portland or Hood River for carpoolers. The trip includes driving on gravel roads for about 5 miles each way on a Forest Service road to and from the parking lot below the trailhead.

August 10th, 8:30 am - 4:30 pm

Trip/Location: Mt. Hood Meadows Chairlift

Leaders: Ron Klump & Nancy Chapman

Description: This hike uses the Mt. Hood Meadows chair lift (\$10 for the day) normally taking skiers to the snowy slopes, to quickly access the high mountain meadows for stunning displays of a variety of alpine flowers. When the wildflowers have dried out everywhere else in Oregon, this is the place to go in the late season! Join us for fresh mountain air and a magical day on Mt. Hood. Carpools will leave Portland and Hood River to meet at Mt. Hood Meadows Ski Area off of Hwy 35. Contact Ron at klumpron@gmail.com for more information on carpooling and to register.

Siskiyou

To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike, make a suggestion, or provide feedback regarding the field trip program,

please contact Katelyn Detweiler, detweiler.katelyn@gmail.com. Join us on Facebook at: <https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon>

Tuesday, June 25th, 12:00 pm - 3:00 pm

Botany and Butterfly Community Science Survey at Vesper Meadow

Join in the community science monitoring at Vesper Meadow. In its inaugural year, participate in surveys for butterfly diversity, take inventory of blooms, and help establish the baseline information to guide wildlife habitat restoration efforts. This upland wet meadow, providing big sky views of Mt. McLaughlin, will be in prime Camas bloom in May, and Wyethia and Corn Lily bloom in June. Additional community science opportunities may also be available, such as: seed collection, invasive weed pulls, and GPS recording. Please be in touch with jeaninemoy@gmail.com for questions or inquiries.

Monday, June 17th, 4:30 pm - 7:30 pm

5th Annual CSNM Mariposa Preserve Star Thistle Pull

Join Siskiyou Chapter of the Native Plant Society of Oregon, KS Wild, Friends of the Cascade-Siskiyou National Monument, and monument staff for an invasive weed pull in the Mariposa Preserve just outside of Ashland. Help clear yellow star thistle in the habitat of the rare Green's Mariposa Lily (*Calochortus greenii*) and observe wildflowers blooming along the way. There will be the option to gather for dinner at 7:30 at a restaurant near the carpool location afterwards. To sign up for carpool details, what to bring, and more details, please visit: <https://www.kswild.org/upcoming-events/2019/6/17/5th-annual-weed-pull-at-the-mariposa-preserve>.

Umpqua Valley

Visit umpquavalleynativeplants.com for more information on chapter activities or to be added to our email list. Check out our Facebook page, www.facebook.com/UmpquaValleyNPSO. Not online - call Donna Rawson 541-643-0364.

We are organizing a monthly work party for landscape maintenance of the three native plant gardens we are continuing to enhance. If you like to work with plants and have some flexible time we could use your help. Contact Donna at 541-643-0364 (call or text).

Willamette Valley

For program information, contact John Savage at 503-779-5414, john@straubcenter.org.

June 9, 9:00 am - 12:30 pm

Field Trip: Kingston Prairie

John Savage of the Willamette Valley Chapter of the Native Plant Society of Oregon will lead a morning walk to view the wildflowers at the 152-acre Kingston Prairie Preserve southeast of Stayton. The Kingston Prairie Preserve is the best example of native prairie remaining in the Central Willamette Valley. The wet and dry prairies harbor native grasses and host a wide variety of prairie wildflowers including rare and endemic species such as the Willamette Daisy, the Willamette Larkspur, Field Checkermallow, and the Common and Leichtlin's Camas. Bring water, snacks, and appropriate foot gear and clothing for the weather conditions. Location: meet in the parking lot at the Willamette Heritage Center, 1313 Mill Street SE, Salem at 9:00 am. Transportation will be provided to and from the trailhead. Cost: \$5 per person. Space is limited. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

Sunday, June 30, 7:30 am - 5:30 pm

Field Trip: Iron Mountain

Enjoy one of the best summer wildflower hikes in Oregon. Iron Mountain has over 300 different species of flowers amid stands of trees and meadows. John Savage of the Willamette Valley Chapter of the Native Plant Society of Oregon will lead the all-day hike over a six mile loop with 1,000 feet of elevation gain. Bring water, lunch, snacks, and appropriate foot gear and clothing for the weather conditions. Location: meet in the parking lot at the Willamette Heritage Center, 1313 Mill Street SE, Salem at 7:30 am. Transportation will be provided to and from the trailhead. Cost: \$10 per person. Space is limited. Registration is required. To register and for more information, contact John Savage, John@strauboutdoors.org or 503-779-5414.

William Cusick

Chapter notices and communications are done primarily through a Google group. For more information or to be added to the Google group, please contact Susan Geer at 541-963-0477 or susanmgeer@gmail.com. Find us on Instagram at [instagram.com/wm.cusick.chapter](https://www.instagram.com/wm.cusick.chapter). Our website is not currently functional.

NPSO State Officers

- President: Lisa Blackburn, president@npsoregon.org
- Immediate Past President: Kelli Van Norman, past_president@npsoregon.org
- Vice-president: Thea Jaster, vice-president@npsoregon.org
- Secretary: Steven Yeager, secretary@npsoregon.org
- Treasurer: Cyndi Dion, treasurer@npsoregon.org
- Directors: Dawn Anzinger, Alexis Brickner, Esther McEvoy, Dan Luoma, Karl Anderson, Stephen Meyers

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- Conservation: Dawn Anzinger
- Friends Of The Oregon Flora Project: Linda Hardison
- Legislative: Vacant
- Membership: Margaret Conover
- NPSO Fellows: Cindy Roché and Kareen Sturgeon
- Rare & Endangered Plants: Jason Clinch
- Publications: Cindy Roche and Kareen Sturgeon
- Bulletin Editor: Alix Danielsen
- Webmaster: Sunia Yang
- More information about our NPSO Fellows [here](#).

Chapter Presidents and contact information [can be found here](#).



Website



Facebook

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Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study of
Oregon's native plants and habitats

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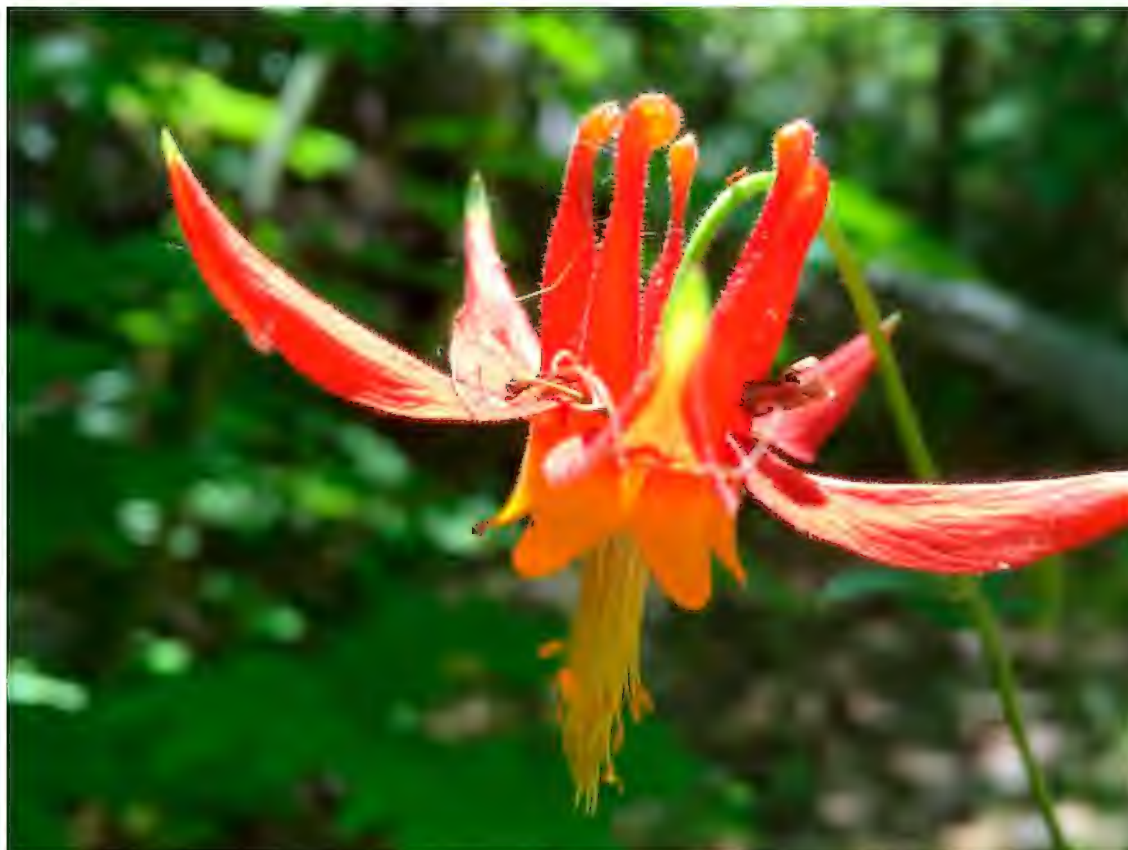


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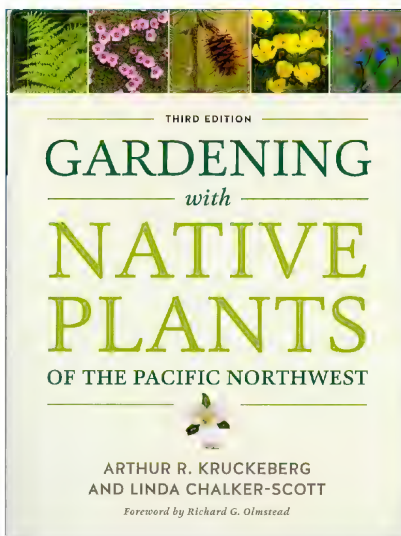
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If you have any questions, please contact us at [bulletin@npsoregon.org](mailto:bulletin@npsoregon.org).

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## Book Review - *Gardening with Native Plants*



### **Gardening with Native Plants of the Pacific Northwest Third Edition**

Arthur Kruckeberg and Linda Chalker-Scott. 2019. University of Washington Press, Seattle, Washington. ISBN 978-0-295-74415-5 374 pp. Softcover. \$35.00

Three and a half decades ago, Art Kruckeberg shared his passion for cultivating native plants in *Gardening with Native Plants of the Pacific Northwest*. At that time, good references on this topic were scarce and his book filled a gap between the desire to grow natives and the knowledge of how to do so. Much has changed since publication of that first edition, indeed since the second edition in 1989. Interest in growing natives has grown exponentially, starting with roadside beautification and wetland restoration and expanding into home gardens, parks and street side “hell strips.” Pollinator support has shifted awareness to hardy native plants that provide habitat as well as nectar and pollen for native insects. Water restrictions and wildfires have generated interest in drought-tolerant and fire-resistant natives.

The contents of this third edition are organized into seven chapters, preceded by an introduction. Sami Gray managed the layout of this edition, with the goal of illustrating every habitat and each species with a photo. She succeeded by enlisting 80 photographers from throughout the Pacific Northwest, including both of us. All references to wild collection of native plants have been removed; many species are now available as plants or seed from commercial sources. The introduction chapter discusses plant names, the options one encounters in plant nurseries (natives, varieties, cultivars and hybrids), and uses of native plants in gardens and landscapes. The icons used throughout the book for habitats are explained here, so don’t skip over this chapter. Chapters two and three are new to this edition and review garden ecology and science,

covering basic knowledge needed by anyone growing native plants.

Chapters three through seven introduce trees, shrubs, perennial forbs, graminoids, and annuals. The nomenclature was updated to the newly published second edition of the Flora of the Pacific Northwest. The original edition described about 250 species, this number was expanded to nearly 1,000. In each section, species are grouped by type (ferns, lilies and irises, etc.) then alphabetically by genus, making them easy to locate, or sorted by height, a layout that will appeal to gardeners looking for plant solutions for specific spots. Habitat icons help the reader decide which species to try, and which to avoid based on the likeliness, or not, of delivering the proper habitat conditions in one's home garden. Rock garden selections are featured in several sections. One native endemic shrub was mentioned, queen-of-the-forest (*Filipendula occidentalis*), a lovely shrub that is often overlooked in regional field guides.

Perennial forbs (wildflowers) are allotted the most space (40 pages), while trees and shrubs share about equal coverage, 24-26 pages. Much less space is devoted to grasses and grass-like plants (13 pages) and annuals (4 pages). The latter was justified by a statement in the introduction: "unlike in California and the Southwest, there are few native annuals in the Northwest, and even fewer with any exceptional garden potential." But the light coverage of native grasses cannot be attributed to the same rationale, as the number of species offered by native plant nurseries far exceed the options mentioned in chapter six. Indeed, a major omission was a section on options for native grasses as low to no-mow turfs for replacing lawns. In the back, there is a new appendix listing plant societies and botanical gardens, along with a glossary, bibliography, index of subjects, and of common and scientific names.

There appears to be a rather heavy bias toward the west side of the Cascades, which isn't surprising since the authors and editors are all based in western Washington. It would be good if future editions created a little more balance for east and west recommendations. For example, potential problems should be mentioned when mixing native and nonnative plants in urban gardens of arid regions. Urban landscape substrates frequently have only a few inches of "topsoil" or compost added over heavily compacted fill material, forcing plants to depend on shallow roots. To compensate for the absence of deep roots, ornamentals are watered frequently, saturating the surface soil. Native plants in arid eastern Oregon often die in these conditions, either from overwatering (lack of permeability) or from drought (lack of rooting depth). In addition, recommendations for grasses east of the Cascades are less than they could be. For example, the statement "the tallest native grass in the Pacific Northwest surely must be giant rye grass (*Elymus canadensis*)" leaves me puzzled. The common name for *Elymus canadensis* is Canada wildrye; the tallest native bunchgrass is basin wildrye (*Leymus cinereus*), which is highly recommended for landscaping, but not even mentioned in the book. The most common grass referred with the common name squirreltail is *Elymus elymoides*, not *Elymus multisetus*. While both are excellent species for restoration, they are not particularly good garden plants because they readily self-seed and the awns are a nuisance for dogs. The book's roster of eastside grasses on pages 236-7 is equally misleading: *Buchloa* and *Bouteloua* are not native to eastern Oregon and Washington;

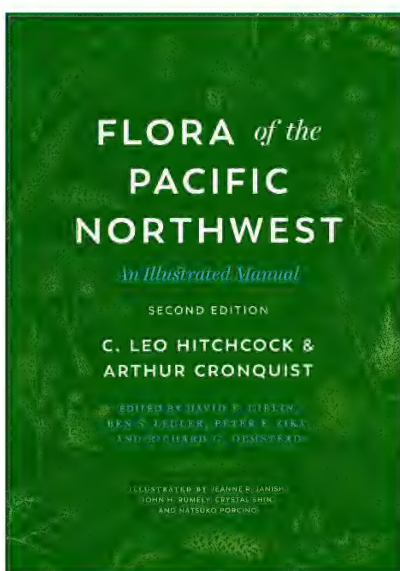
Grama (presented as a genus name) is the common name for *Bouteloua*; the genus name *Stipa* (now *Achnatherum* for our species) is listed, despite the statement in the preface that the book follows nomenclature of the Flora of the Pacific Northwest; *Poa* is such a large genus that it is nearly meaningless to list *Poa* spp.

Despite these criticisms, we recognize that offering plant selection advice on both sides of the Cascades, from the seashore to interior montane gardens, is a formidable challenge, given the variation in growing conditions in the Pacific Northwest. Without adding another fifty pages or so of habitat and climate details, this book provides succinct and visually gorgeous information to guide readers in growing native plants in home gardens. It's definitely worth upgrading to the new edition; it contains a wealth of recommendations.

— Kathleen Sayce, *Filipendula* Chapter and Cindy Roché, *High Desert* Chapter

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## Book Review - *Flora of the Pacific Northwest*



### **Flora of the Pacific Northwest, An Illustrated Manual, Second Edition**

C. Leo Hitchcock and Arthur Cronquist. Second edition edited by David E. Giblin, Ben S. Legler, Peter F. Zika, and Richard G. Olmstead. 2018. University of Washington Press, Seattle, WA. ISBN 978-0295742885. 936 pp. Hard cover \$75.

The *Flora of the Pacific Northwest* is the long awaited, fully updated, second edition of Hitchcock and Cronquist's 1973 classic botanical text for our region. This masterpiece has been revised to include current research in vascular plant systematics, including reorganized family structure and up-to-date name changes. It also includes over 1,000 newly described or documented native and naturalized non-native species, and an additional 1,382 illustrations.

The need for an update is obvious when one considers that 40% of the taxa in the first edition have new names. The scope of this update is enormous. The editors are to be congratulated, along with the many others who helped both in time and money. However, the revisions are not just in names and taxa. The editors' experiences in field taxonomy shines throughout the volume. To my surprise, the keys and descriptions were improved in ways that would only be possible by expert botanists well versed in the original edition.

I have been using the *Flora of the Pacific Northwest* with students for more than 30 years. Steven Yeager, Heron Brae, and I teach a 300-hour class that focuses heavily on field taxonomy as a skill. We read the family descriptions and keys out loud and define every term. I have compared keying in both versions for all the plants we identify in class, plus many more, for a total of over 100. The results exceeded all my expectations in that almost every plant keyed as well as or better than in the first edition. Many keys in new floras use computer-generated statistics to design couplets that separate out the highest number of taxa. Although this makes the key shorter, sometimes a distinctive, easy-to-see characteristic for a taxon is not mentioned until its description. Hitchcock and Cronquist realized that humans are good at seeing "which of these are not like the others," and often used couplets that easily separated distinctive species from the others, a process that works particularly well in condensed floras that do not include descriptions. The new version of their keys continues this approach. For example, on the first page of the family key, branch parasites and cacti are distinguished from other families by their unique characters, simplifying the rest of the key.

The new edition maintains the style of the original edition in which each couplet contains more than one characteristic and numbers are used instead of relative terms like large vs. small. The editors further improved the keys by selecting additional characters to couplets that were difficult in the first edition. For example, in the first lead, the new edition adds the character whether the keel is pubescent or glabrous, which quickly distinguishes *Collinsia sparsiflora* from other *Collinsia* species. This small addition makes a great difference in a couplet that was often difficult for me.

When we teach how to use the family key, after reading a family description, we teach supplemental information, such as particular terms and techniques for measuring floral parts specific to the family. The editors made our work easier by adding this information to the family descriptions (and other places, as needed). For example, the editors describe how to measure the corolla of a bilabiate tubular flower in the Lopseed Family (*Phrymaceae*).

We use the buttercup family to teach our students about flower morphology and how to recognize each of the four floral whorls. For example, students often mistake the showy sepals for petals. The revised key clarifies this common error, and shows a much-appreciated attention to detail.

Old version:

1a. Fl(lower) strongly bilaterally symmetrical, showy

1b. Fl(ower) nearly or quite reg(ular), often not showy

New version:

1a. Fl(ower)s strongly bilaterally symmetrical, sepals showy, > petals.

1b. Fl(ower)s radially symmetrical, sepals showy or not, petals various, occ(asionally) absent.

The authors also go to great trouble to help the reader understand technicalities not evident, or of concern, to non-professionals. For example, some new taxa are morphologically identical to, but differ genetically from, the original taxon. The authors describe the diploid variant of Youth on Age (*Tolmiea diplomenziesii*) and group it with the original taxon in the key. Also, the *Liliaceae* has been split to several new families, which is confusing at first. Along with keys for each of the new families, understanding that lilies in the traditional sense are easy to recognize as a group, the editors include a lily key that encompasses all the original taxa.

A current trend in contemporary keys is to use a simpler vocabulary, the “dumbing down” of botanical language. Academic botany is moving away from the traditional field approach; young botanists are immersed in genetics. Some newer keys are written primarily as checklists and descriptions of taxa, and the actual keys are of poor design. I have been told that within the next decade, keys will be obsolete. I guess we will have hand-held iPhone-size “gene-machines” that identify the plants for us. Thus, I was concerned that the rich vocabulary of the original *Flora of the Pacific Northwest* would be lost, as well as the skill of field taxonomy, much like the art of celestial navigation, “hands-on” physical assessment by doctors, and the language and music of indigenous cultures. With this second edition, the editors have re-vitalized and preserved the tradition of field taxonomy for the enjoyment of future generations.

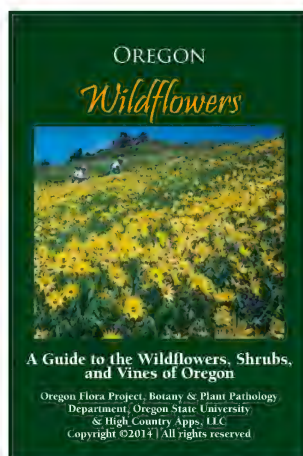
This book is the most up-to-date, comprehensive reference of vascular plants for the Pacific Northwest, except the southern part of Oregon where botanists will continue to use *The Jepson Manual* and the *Intermountain Flora* until the remaining volumes of the *Flora of Oregon* are published. Unlike field guides illustrated with color photos of flowers, this is a technical manual, replete with dichotomous keys, line drawings, and botanical terminology. The University of Washington Press website states it will be of interest to (and I would add “a must have” book for) “professional and amateur botanists, ecologists, rare plant biologists, plant taxonomy instructors, land managers, nursery professionals, and gardeners.”

— Howie Brounstein, *Columbines School of Botanical Studies, Emerald Chapter*



By: Dr. Linda K. Hardison  
Director, [Oregon Flora Project](http://OregonFloraProject.org)

Warmer weather and longer days are here, meaning it's time to get outside and explore the local flora! The Oregon Wildflowers app is an excellent resource to help you identify flowering herbs and shrubs you may encounter anywhere in Oregon. There are 751 species in the app that occur in the Siskiyou Mountains ecoregion, making this a must-have for your outings at the annual meeting this year!



Drawn from information of the Flora of Oregon, each of the 1,000+ plants in the app have multiple photos, a distribution map, and a brief description. The app also includes information about the plant families represented—a great way to learn the plant diversity of our state.

Purchase a copy for your [iPhone](#), [Android](#), or tablet from links given here, or from the [Oregonflora.org](http://Oregonflora.org) home page. A portion of the funds provide support for our program.

OregonFlora will be hosting a silent auction at the annual meeting. We hope you come prepared to bid generously in support of the work of OregonFlora, and take home some

treasures in doing so!

Contributions can be made online ([www.oregonflora.org/supportOFP.php](http://www.oregonflora.org/supportOFP.php)) or mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320, Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include "OFP" on the memo line.

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## State & Chapter Notes

### **State Notes/Announcements:**

**State Board Meeting** - The next State Board Meeting is scheduled for July 14th, 9:00 am to 1:00 pm at the Annual Meeting (Pacifica: A Garden in the Siskiyou).

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Chapter Notes:

Blue Mountain

For information on Blue Mountain Chapter, call Jerry Baker, 541-566-2244. To get on our email list, contact flora.id@wtechlink.us.

Cheahmill

For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at ch_president@NPSOregon.org. Check out our Facebook page at [facebook.com/Native Plant Society of Oregon: Cheahmill Chapter](https://facebook.com/NativePlantSocietyofOregon).

Meeting and work party location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. The library parking lot may be entered from either Adams or Second streets. Meetings start at 7 pm. Doors open at 6:45 pm for socializing.

Corvallis

For questions, information on upcoming events, or to be on the Corvallis Chapter email list, contact co_president@NPSOregon.org. Find us on Facebook at facebook.com/CorvallisNPSO.

Sunday, July 14th, 9:00 am

Field trip to Marys Peak with Phil Hays and Esther McEvoy

Meet at the parking lot to the west of the Monroe Beanery at 9 am and we will return

mid afternoon. We will hike from the campground out into the meadow to the summit and back through the noble fir forest to the campground. Slow elevation gain and the total round trip is about 4 to 5 miles. Please bring appropriate hiking gear, water and we will car pool. For more information, contact Esther McEvoy at 541-754-0893, estherco@peak.org. Please leave furry friends at home.

Saturday, July 20th, 8:00 am

Field Trip: Iron Mountain/Cone Peak Hike

Spectacular wildflowers with over 200 species of vascular plants recorded across this botanically rich trail west of Santiam Pass. The all-day hike will be 5 miles through moderately difficult terrain. Bring good boots, lunch, and water. Due to logistical conflicts, this hike is later in the season than usual. Meet at 8 am at the OSU Wilkinson Hall parking lot SW of The Beanery on 26th and Monroe. Contact Dan, 541-752-8860, for details. Please leave furry friends at home.

Sunday, July 28th, 10:00 am - noon

Work Party at the Avery House

We will work on summer clean-up and weeding. Please bring water, gloves, trowel and bucket. For more information contact Esther at 541-754-0893.

Emerald

Our chapter meets the 3rd Monday at 7 pm, September through April, at the Amazon Community Center. Visit the Emerald Chapter website at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

We want you! If you have leadership or coordination experience, are looking to build your resume, or enjoy sharing your knowledge of native plants, we want to hear from you! The Emerald Chapter is currently seeking officers to join our active board. Positions include president, vice president, secretary, and publicity and field trip committee chairs. If interested, please send an email to em_president@npsoregon.org.

September 16th

Emerald Chapter celebrates 40 years. We've made a difference! Charlene Simpson & David Wagner will host. Meet founders, hear the stories, see a slide show, enjoy cake and beverages.

WEDNESDAY, October 16th (note different date and day), 7 pm

Relationships between the Plant and Fungi worlds

Daphne Stone will be the presenter followed by a "culinary mushroom experience" with chef Chad Hyatt. Co-sponsored with the Cascade Mycological Society. Meeting at the Amazon Community Center front room, closest to the parking lot w/the receptionist in the lobby.

Filipendula

For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, carlajeancole@gmail.com.

All year: North Oregon Restoration Partnership potting days in Tillamook, OR at the nursery, with Maysa Miller

We will share the volunteer activity dates, and encourage everyone to join during the year to help the nursery with potting up native plants. It's a great way to pick up new skills in potting and handling native plants. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

July 17th, Wednesday, 9:00 am - 1:00 pm

Streamside walk at Oswald West State Park

Most visitors walk west to the ocean's edge. We will walk upstream along one of several streams, looking for low elevation *Filipendula occidentalis* plants and other coastal stream species. Meet in the main parking lot (by the restrooms) at 9 am to start. Wear boots and weather appropriate clothing; bring food and water. Hike organizer is Kathleen Sayce. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

Saturday, August 17th, 9:00 am - 3:00 pm

Paddle trip on Cullaby Creek to see streamside submerged and emergent aquatics, sedges, herbs and shrubs.

Meet at the south end of the county park, to paddle south. Bring your canoe or kayak, personal flotation device, appropriate clothes, water and food. Trip organizer is Carla Cole. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

Friday, September 27th, 10:00 am - 3:00 pm

Hypertufa planters and Filipendula Chapter fall seed and plant swap, at Alder Creek Farm or Circle Creek, location TBA.

We will demonstrate, and then you will make in a hands-on workshop, how to mix hypertufa and make and finish planters. Following this, the seed and plant swap will be held. Bring seeds and plants (natives only, please) to trade, plus lunch and water, heavy washing gloves, wear old clothes in case of cement smears. If you want to come home with your own bucket of perlite, peat and cement to do your next batch, please bring a 5 gallon bucket. Activity organizers are Kathleen Sayce and Jeff Roehm. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com

High Desert

For information, visit the High Desert Chapter website: www.highdesertnpsoregon.org and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email highdesertnps@gmail.com. Sign up for hikes at <http://www.highdesertnpsoregon.org/>.

Central Oregon Wildflower Show

When: Saturday, July 6, 10:00 am - 5:00 pm

Where: Sunriver Nature Center, 57245 River Rd, Sunriver, OR 97707, USA ([map](#))

Description: See wildflowers, grasses and shrubs on display.

In collaboration with the Sunriver Nature Center and High Desert Native Plant Society of Oregon.

Klamath Basin

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com>.

Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at mc_president@NPSOregon.org.

Portland

Take a look at our Facebook page. Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hikes and other events as well as great plant pictures. All hikes and programs, plus many more hikes, are also posted on our Meetup page: <https://www.meetup.com/NPSO-Portland/>

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm. MEETING PLACE: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We will meet in Copeland Commons; enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

August 10th, 8:30 am - 4:30 pm

Trip/Location: Mt. Hood Meadows Chairlift

Leaders: Ron Klump & Nancy Chapman

Description: This hike uses the Mt. Hood Meadows chair lift (\$10 for the day) normally taking skiers to the snowy slopes, to quickly access the high mountain meadows for stunning displays of a variety of alpine flowers. When the wildflowers have dried out everywhere else in Oregon, this is the place to go in the late season! Join us for fresh mountain air and a magical day on Mt. Hood. Carpools will leave Portland and Hood River to meet at Mt. Hood Meadows Ski Area off of Hwy 35. Contact Ron at klumpron@gmail.com for more information on carpooling and to register.

September 12th

Program: Friends of Baltimore Woods

Presenters : Caroline Skinner, Barbara Quinn

Volunteer land stewards in a St. Johns neighborhood along the Willamette River have protected a narrow strip of remnant White oak savannah habitat abutting an industrial area. With a meadow planted with native plants after eradicating invasive species to planning the Willamette River Trail connection through the Woods all the way to Kelly Point where the Willamette joins the Columbia River.

Siskiyou

To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike, make a suggestion, or provide feedback regarding the field trip program, please contact Katelyn Detweiler, detweiler.katelyn@gmail.com. Join us on Facebook at: <https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon>

Saturday, July 27th, 10:00 am

Crater Lake Rim Trail

Hike a portion of the Rim Trail at Crater Lake National Park with botanist, Elena Olsen. Keep an eye out for colorful penstemons, aromatic lupines and the Crater Lake currant, among other vibrant wildflowers. This will be a moderate hike (from ~7,000-8,000 feet) along the caldera rim with beautiful views of the lake. The hike will be about 4 miles round trip. Meet for a carpool to the trailhead at Rim Village at 10 am. A carpool will also be available from the Talent Rays at 8 am. For more information or to sign up please contact Katelyn Detweiler at Detweiler.katelyn@gmail.com.

July 28th, 9:00 am - 3:00 pm

Hike to Bigelow Lake

Bigelow Lake is a highlight of Oregon Caves National Monument in the high-country of the Siskiyou Crest. It is also one of the few easy-access, nearly pristine, cirque lakes in the Klamath-Siskiyou mountains. Wildflowers are likely to be in peak bloom along the trail and growing in wet meadows surrounding the lakes. This hike is a partnership with Oregon Native Plant Society and KS Wild. To sign up for more details including the carpool location and what to bring, please visit: <https://www.kswild.org/upcoming-events/2019/7/28/hike-to-bigelow-lakes-in-oregon-caves-national-monument>.

Umpqua Valley

Visit umpquavalleynativeplants.com for more information on chapter activities or to be added to our email list. Check out our Facebook page, www.facebook.com/UmpquaValleyNPSO. Not online - call Donna Rawson 541-643-0364.

We meet in Roseburg then carpool or caravan to destination. If you plan to participate, you must RSVP Rod Trotter 541-672-1907 or Donna 541-643-0364 to confirm your participation. Plans can change on short notice due to weather or flower bloom. NOTE: Many field trip destinations offer no facilities. Umpqua Forest Service advises to protect yourself from mosquitoes in the high country this time of year.

Sunday, July 7th, 8:00 am - late afternoon

Field Trip: Hemlock Lake, North Umpqua River Watershed

Enjoy a scenic short hike around Hemlock Lake and see a great variety of flora such as *Eurybia radulina* (formerly *Aster radulinus*, rough-leaved aster), *Penstemon cardwellii* (Cardwell's penstemon), and *Castilleja pruinosa* (frosted Indian paintbrush). Also includes stops of botanical interest on the way along Little River Rd. 1-1/2 hour drive from Roseburg. Moderate hiking. We may also visit Yatso Falls (USDA trail #1519). Bring lunch, water and camera. An alternate meet up location in Glide can be arranged.

Sunday, July 14th, 8:00 am - late afternoon

Field Trip: Ragged Ridge, North Umpqua River Watershed

If you missed the first trip this spring, you have another chance to join us for a Ragged Ridge return trip. Located up the North Umpqua River near Steamboat Creek above 3000' elevation. Participants will be treated to a tour of the Ragged Ridge-Dry Creek area. We will be looking for wildflowers blooming at that elevation. Easy walking. We may be off trail at times so wear appropriate shoes. Bring lunch and water and camera and dress for the weather. An alternate meet up location in Glide can be arranged.

Sunday, July 21st, 8:00 am - late afternoon

Field Trip: Reynolds Ridge, back up the North Umpqua Hwy

Reynolds Ridge is a favorite botanizing destination for chapter members. The area features high mountain meadows where the wildflowers are still blooming. Rod Trotter is our guide. An alternate meet up location in Glide can be arranged.

Sunday, July 28th, 8:00 am - late afternoon

Field Trip: Donegan Prairie, Rogue/Umpqua Divide

Donegan Prairie is located on the Tiller Ranger District about 20 miles East/South East of Tiller on the Rogue/Umpqua divide, elev. 5,000'. For a short hike to discover the sub-alpine meadows typical of the Rogue-Umpqua Divide, Donegan Prairie Trail #1431 can't be beat. Many species of wildflowers color the meadows during July and August, and delicious huckleberries appear in September. Bring cameras, field guides, water and lunch and plan to have a great day botanizing. Plants we have found there in the past are California globe mallow (*Illiamna lactibractata*), Umpqua swertia (*Frasera umpquaensis*) and tall bugbane (*Cimicifug elata*) in grass dominated meadows. We planned to meet at the Tiller Ranger Station at 9:00. Donegan Prairie Trail is an hour drive from Tiller. Donegan is a SIA (Special Interest Area) for the Cow Creek Tribe. It is a traditional area for Huckleberry gathering. Wildflowers are those that occur in a typical high elevation meadow habitat. The hike is about 3 miles one way (requires moving rigs) or a 6 mile loop.

****** We are organizing a monthly work party for landscape maintenance of the three native plant gardens we are continuing to enhance. If you like to work with plants and have some flexible time we could use your help. Contact Donna at 541-643-0364 (call or text).

Willamette Valley

For program information, contact John Savage at 503-779-5414, john@straubcenter.org.

Sunday, July 14, 8:00 am - 5:00 pm

Field Trip: Echo Basin

John Savage of the Willamette Valley Chapter of the Native Plant Society will lead a day hike to view the wildflowers along the Echo Basin trail in the Old Cascades. The 2.4-mile hike (600-foot elevation gain) features Alaskan yellow cedars, silver fir, hemlock, devil's club and a lush variety of woodland, meadow, and bog wildflowers. We may combine this walk with easy walks to Hackleman Grove and Fish Lake. Bring water, lunch, snacks,

and appropriate foot gear and clothing. Location: meet in the parking lot at the Willamette Heritage Center, 1313 Mill Street SE, Salem at 8:00 a.m. Transportation will be provided to and from the trailhead. Cost: \$10 per person. Space is limited. Registration is required. To register and for more information, contact John Savage, john@strauboutdoors.org or 503-779-5414.

Saturday, August 10th, 8:00 am - 5:00 pm

Field Trip: Dome Rock

Aislinn Adams of the Willamette Valley Chapter of the Native Plant Society will lead an all-day walk to view the wildflowers and nibble on the ripe huckleberries on the Dome Rock trail near Detroit. The walk will cover 5-6 miles with elevation gain. Bring water, lunch, snacks, and appropriate footgear and clothing. Location: meet in the parking lot at the Willamette Heritage Center, 1313 Mill Street SE, Salem at 8:00 a.m. to carpool. Space is limited. Registration is required. To register and for more information, contact John Savage, john@strauboutdoors.org or 503-779-5414.

William Cusick

Chapter notices and communications are done primarily through a Google group. For more information or to be added to the Google group, please contact Susan Geer at 541-963-0477 or susanmgeer@gmail.com. Find us on Instagram at [instagram.com/wm.cusick.chapter](https://www.instagram.com/wm.cusick.chapter). Our website is not currently functional.

NPSO State Officers

- President: Lisa Blackburn, president@npsoregon.org
- Immediate Past President: Kelli Van Norman, past_president@npsoregon.org
- Vice-president: Thea Jaster, vice-president@npsoregon.org
- Secretary: Steven Yeager, secretary@npsoregon.org
- Treasurer: Cyndi Dion, treasurer@npsoregon.org
- Directors: Dawn Anzinger, Alexis Brickner, Esther McEvoy, Dan Luoma, Karl Anderson, Stephen Meyers

Committees & Chairs

- Budgets and [Grants](#): Dan Luoma
- Conservation: Dawn Anzinger
- Friends Of The Oregon Flora Project: Linda Hardison
- Legislative: Vacant
- Membership: Margaret Conover
- NPSO Fellows: Cindy Roché and Kareen Sturgeon
- Rare & Endangered Plants: Jason Clinch
- Publications: Cindy Roché and Kareen Sturgeon

- Bulletin Editor: Alix Danielsen
- Webmaster: Sunia Yang
- More information about our NPSO Fellows [here](#).

Chapter Presidents and contact information [can be found here](#).



Website



Facebook

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Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study of
Oregon's native plants and habitats

August/September 2019

Volume 52, No. 7



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We hope you enjoy the combined August & September Bulletin. The next issue will be sent the first week of October.

Also, please mark your calendars for the 2020 Annual Meeting:

**SAVE THE DATE!**

**NPSO Annual Meeting**

May 29-31, 2020

Spirit Mountain Lodge & Casino, Grand Ronde

Hosted by the Cheahmill Chapter

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If you prefer to read a hard copy, click on the link at the top of this email that says "view this email in your browser," and then "print" this e-newsletter as a PDF.

If you have any questions, please contact us at bulletin@npsoregon.org.

Remembering Frank Alexander Lang



Frank Alexander Lang
May 14, 1937 - June 26, 2019

Frank was born in Olympia, Washington, and spent his childhood roaming the surrounding woods and fields as well as the shores of Puget Sound. From these experiences, he decided that his life's ambition was to be a biologist. He was fortunate that his Boy Scout merit badge counselor was naturalist Margaret McKenny, author of *The Savory Wild Mushroom*. He spent a good part of his high school years on field trips with Margaret and her friends, a highlight of which was meeting Roger Tory Peterson.

He majored in botany at Oregon State College and there met his wife, Suzanne. He worked filing specimens and drawing plants for his systematic botany instructor, Dr. Albert N. Steward, director of the herbarium. Frank planned to pursue his interest in ferns in graduate school at the University of Washington but was diverted by Dr. Arthur Kruckeberg whose project was to determine why Douglas-fir was invading the gravelly prairies of western Washington. After concluding that the cause was lack of regular fires since European settlement, Frank decided it was time to seek a PhD. He met T.M.C. Taylor at the University of British Columbia, who suggested a taxonomic treatment of the *Polypodium vulgare* complex. Frank's thesis, completed in 1965, worked out the evolutionary relationship and taxonomy of three taxa using comparative morphology, cytology, and geographical-ecological criteria. This work was later confirmed by DNA and isozyme analyses.

Frank taught botany, ecology, and botanical illustration at Southern Oregon College for 31 years, from 1966 to 1996. He also served as department chair and chairman of the Faculty Senate. He taught biological illustration at the Malheur Field Station for eight summers. After he retired from teaching, he worked for the Medford District of the BLM, concentrating on the Ashland Resource Area. One of his passions was the Cascade/Siskiyou Ecological Emphasis Area, which later became the Cascade-Siskiyou National Monument. Starting in 1989 he became Mr. Nature Notes. With his signature wit and humor, he commented on topics related to the flora and fauna of Southern Oregon and Northern California. He produced over 300 radio scripts broadcast weekly on Jefferson Public Radio and a selected script published in each issue of the Jefferson Monthly. Many of these pieces are in his books, A Nature Notes Sampler Vols. 1 & 2.

Frank served three terms as president of NPSO (1985-1986, 1979-1980, 1980-1981), was a “Founding Father” of the Siskiyou Chapter (1977), and co-edited the Bulletin from 1979-1981. He was the first editor of the annual journal, *Kalmiopsis* (1991- 1994), and served on the journal’s editorial board from 2004 through 2015. He was author of numerous book reviews, and author or co-author of four articles in *Kalmiopsis*, including John Jeffrey in the Wild West: Speculations on His Life and Times (1828-1854?), Green-flowered Wild Ginger (*Asarum wagneri*), and Botanizers in the Land of Conifers.

Frank was honored as NPSO Fellow in 2000. He has also won many awards for his research, publications and volunteer work, including 1990 “Volunteer of the Year” for The Nature Conservancy of Oregon. His interests included history of botanical exploration of the Pacific Northwest, fern evolution, threatened and endangered plants, Patagonia, Tasmania, and Charles Darwin in the Southern Hemisphere. He also contributed a large number of online entries for the Oregon Encyclopedia. In his role as teacher and advocate for the natural world, Frank touched many lives. He will be remembered for his dry wit, irreverent sense of humor, and terribly wonderful puns.

Frank is survived by his wife Suzanne, son Thomas Lang (Shawn Barrett), daughter Amy Lang (Kerry Knestis), grandson Milo Knestis, older sister Mary Lou York, and a host of former students he inspired to become botanists. The memorial service and Committal to Sacred Ground was held on July 27th at Trinity Episcopal Church, Ashland. Frank’s family has requested that, in lieu of flowers, to please donate to the Native Plant Society of Oregon or Trinity Episcopal Church.

[To leave a Guest Book comment, click here.](#)

2019 NPSO Fellow: Linda Vorobik



2019 NPSO Fellow:

Linda Ann Vorobik

Linda has lived most of her life on Lopez Island, the perfect setting to learn about the natural world around her. Her love of botany and art started early in life and when she attended Western Washington University in Bellingham, she acquired two mentors: Dr. Ron Taylor (author of *Sagebrush Country*) and Dr. Rich Fonda (vegetation of the San Juan Islands and the Olympic Peninsular river terraces). After completing a BA in biology in 1977, she worked for The Nature Conservancy Natural Heritage Program and spent a year with Jean Siddall assembling the first rare plant list for Oregon. One weekend during that year she visited the Siskiyou Mountains and fell permanently under their spell. The summer of 1979 she went to Ketchikan, Alaska, to work as the sole field botanist for the Tongass National Forest. This was during the first year of her Fellowship with Dr. David Wagner, where she worked in the herbarium and assisted with the spring Systematic Botany class. Wagner encouraged both her artistic and botanical interests with his “zen-like approach to academics.” Linda went on to earn a PhD in Biology in 1985 with fieldwork in the Siskiyou Mountains. Her dissertation was *Hybridization and Reproductive Isolation between Sympatric Arabis (Cruciferae) in Southwestern Oregon*.

When Linda saw the botanical illustrations by Jeanne Janish in *Vascular Plants of the Pacific Northwest* she realized, “I want to learn how to do this.” Linda had the opportunity to learn from Janish in person at a one-day workshop at Southern Oregon University, sponsored by Dr. Frank Lang. Janish generously corresponded with her afterwards and provided continual feedback about her work. Almost all of Linda’s

professional botanical illustration is based on herbarium specimens, but you wouldn't know it by looking at them. She has developed the ability to transform dry flattened plants into illustrations that appear three-dimensional.

Thus, Linda juggles two specializations: plant systematics and botanical illustration. She is a Visiting Scholar at the University Herbarium at UC Berkeley and at the University of Washington in Seattle. NPSO is fortunate that her commute takes her through Oregon; her enthusiasm and generosity have enriched our knowledge of Oregon's flora. Since 1993 she has earned her living as a freelance botanist/botanical illustrator, and continues to conduct field research as well, no small feat in this world. She teaches botany and botanical illustration workshops and creates fine art in the form of botanical watercolors, prints, cards, and silk scarves.

Linda has been an active member of the Native Plant Society of Oregon since she was a graduate student at UO (1981-82); she edited the NPSO monthly *Bulletin*, when "cutting and pasting" was literally cutting and pasting paper for the layout. She was awarded the Jean Davis Memorial Award in 1983 by NPSO. She took over the editorship of our journal, *Kalmiopsis*, after David Kennedy's last issue in 1996, and served in that position until 2002. During her tenure, she created artwork and gave the journal a classy new style. She has presented programs and led field trips for various NPSO chapters and state meetings. Her booth of artwork graces each annual meeting and she donates a percentage of the sales to the hosting chapter. Linda put down deep roots Siskiyou Mountains, teaching at the Siskiyou Field Institute (SFI) for over 20 years: Botanical Illustration, Crash Course in Flowering Plant Families, Advanced Plant ID (with individual courses for composites and grasses). Linda credits NPSO Fellows Rhoda Love, Charlene Simpson, and Veva Stansell for encouraging her growth as a botanist; they shared their passion for and knowledge of plants on many wonderful botanical outings.

—Cindy Roché, *High Desert Chapter*.

[To read the full narrative for Linda's Fellow Award, please go to the NPSO website: <http://www.npsoregon.org/fellows.html>].

Call for Nominations for 2020 Fellows Awards

The Fellows Award is the highest honor bestowed in our Society, recognizing NPSO members for their exceptional contributions to the Society. The award comes with a certificate of recognition and lifetime membership in the Society. In addition to honoring the recipient, the Fellows Award informs the general membership of the good deeds and long-time commitment of some members in supporting our mission, as well as outstanding contributions to knowledge of native plants. The award serves to inspire and encourage newer members to make their own contributions to the Society.

We hope that individuals who are approached for nomination for the award will accept

this recognition of their accomplishments. It's important for others to understand what it takes to run an organization staffed entirely by volunteers.

Guidelines for Fellows nominations are available online at http://www.npsoregon.org/documents/NPSO_Fellows.4-4-16.pdf or by request from the Fellows Committee at fellows@npsoregon.org. Nominations should be submitted to the Fellows Committee at that email address before December 31 (earlier submission is encouraged). Nominations must include an essay describing the nominee's accomplishments and a good quality digital photo of the nominee that is suitable for publication. The Fellows Committee will evaluate nominations that meet the submission criteria and recommend awardees to the State Board. Awards will be presented at the next Annual Meeting; biographies and photos of recipients will be posted on the NPSO website.

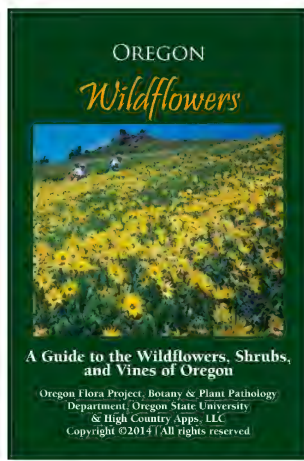
—Kareen Sturgeon and Cindy Roché.

OregonFlora



By: Dr. Linda K. Hardison
Director, [Oregon Flora Project](#)

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SAVE THE DATE!

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Spirit Mountain Lodge & Casino, Grand Ronde

Hosted by the Cheahmill Chapter

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## **Chapter Notes:**

### **Blue Mountain**

For information on Blue Mountain Chapter, call Jerry Baker, 541-566-2244. To get on our email list, contact [flora.id@wtechlink.us](mailto:flora.id@wtechlink.us).

### **Cheahmill**

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Meeting and work party location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. The library parking lot may be entered from either Adams or Second streets. Meetings start at 7 pm. Doors open at 6:45 pm for socializing.

**Thursday, September 26th, 6:45 to 8:45 pm**

**Program: The Alpine of North America, the Last Region Still without Major Human Influence.**

The North American alpine biome is found above timberline at higher elevations in the southern Sierra and Rocky Mountains and at lower elevations farther north in the Sierra, Cascade, and Rocky Mountains. It is also found in the most northern peaks of the Appalachian Mountains of New England and Chic-Choc Range of the Gaspé Peninsula of Quebec, Canada. Learn from botanist Dennis W. Woodland how plants have developed survival adaptations in this harsh environment. He will discuss the flora and ecology of each of these geographical regions with accompanying photos of many lovely alpine species. Location: Carnegie Room, McMinnville Public Library; see above for details.

**Cheahmill is hosting the 2020 Annual Meeting:**

**SAVE THE DATE!**

NPSO Annual Meeting

May 29-31, 2020

Spirit Mountain Lodge & Casino, Grand Ronde

### **Corvallis**

For questions, information on upcoming events, or to be on the Corvallis Chapter email list, contact [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org). Find us on Facebook at [facebook.com/CorvallisNPSO](https://facebook.com/CorvallisNPSO).

**Sunday, August 25th, 10:00 am - noon**

**Avery House Native Plant Garden Work Party**

Come and help clean up our native plant garden for a few hours. Bring gloves, trowel,

clippers, water, and a hat. Contact Esther for more information. Esther at 541-754-0893 or [estherco@peak.org](mailto:estherco@peak.org).

### **Emerald**

Our chapter meets the 3rd Monday at 7 pm, September through April, at the Amazon Community Center. Visit the Emerald Chapter website at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

We want you! If you have leadership or coordination experience, are looking to build your resume, or enjoy sharing your knowledge of native plants, we want to hear from you! The Emerald Chapter is currently seeking officers to join our active board. Positions include president, vice president, secretary, and publicity and field trip committee chairs. If interested, please send an email to [em\\_president@npsoregon.org](mailto:em_president@npsoregon.org).

### **September 16th, 7:00 pm**

Emerald Chapter celebrates 40 years. We've made a difference! Charlene Simpson & David Wagner will host. Meet founders, hear the stories, see a slide show, enjoy cake and beverages. Amazon Community Center, 2700 Hilyard St., Eugene.

### **Wednesday, October 16th, 7:00 pm**

#### **Relationships between the Plant and Fungi worlds**

Daphne Stone has studied lichens, bryophytes and fungi in the northwest for 40 years. She holds a PhD in ecology from the University of Oregon and is the founder of Stone Ecosurveys, a small business that specializes in lichen and other ecological surveys. Daphne works with a variety of agencies and organizations around the world to further interest, knowledge, and protection of lichens. Her work with the Forest Service has helped use lichens to monitor air quality. Daphne is the president of Northwest Lichenologists and is an expert on the lichen genus *Leptogium*. Her talk will be followed by a "culinary mushroom experience" with Chef Chad Hyatt. Co-sponsored with the Cascade Mycological Society. Amazon Community Center, 2700 Hilyard St., Eugene.

### **Filipendula**

For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, [carlajeancole@gmail.com](mailto:carlajeancole@gmail.com).

### **All year: North Oregon Restoration Partnership potting days in Tillamook, OR at the nursery, with Maysa Miller**

We will share the volunteer activity dates, and encourage everyone to join during the year to help the nursery with potting up native plants. It's a great way to pick up new skills in potting and handling native plants. Contact Carla Cole to sign up; her email address is [carlajeancole@gmail.com](mailto:carlajeancole@gmail.com).

### **Saturday, August 17th, 9:00 am - 3:00 pm**

**Paddle trip on Cullaby Creek to see streamside submerged and emergent aquatics,**

**sedges, herbs and shrubs.**

Meet at the south end of the county park, to paddle south. Bring your canoe or kayak, personal flotation device, appropriate clothes, water and food. Trip organizer is Carla Cole. Contact Carla Cole to sign up; her email address is [carlajeancole@gmail.com](mailto:carlajeancole@gmail.com).

**Friday, September 27th, 10:00 am - 3:00 pm**

**Hypertufa planters and Filipendula Chapter fall seed and plant swap, at Alder Creek Farm or Circle Creek, location TBA.**

We will demonstrate, and then you will make in a hands-on workshop, how to mix hypertufa and make and finish planters. Following this, the seed and plant swap will be held. Bring seeds and plants (natives only, please) to trade, plus lunch and water, heavy washing gloves, wear old clothes in case of cement smears. If you want to come home with your own bucket of perlite, peat and cement to do your next batch, please bring a 5 gallon bucket. Activity organizers are Kathleen Sayce and Jeff Roehm. Contact Carla Cole to sign up; her email address is [carlajeancole@gmail.com](mailto:carlajeancole@gmail.com).

**Friday, October 25th, 7:00 pm - 9:00 pm**

**Night hike with UV Lights to see lichens and other common species at night.**

We will tour old fruit trees (pear, plum and apple) to see several lichen species and bryophytes by UV light. This is on Hwy 53, Nehalem, Oregon. We will meet at Hope Stanton's house for a pre-hike potluck dinner starting at 6 pm and carpool to the Stoppiellos, a quarter-mile away. Hope's address is 43005 North Fork Road, Nehalem, Oregon, 97131; this is very near the intersection of N Fork Rd and Hwy 53. Wear sturdy footwear and weather appropriate clothing; bring a flashlight - no headlamps please! We will provide UV lights and eye protection. Limited to 12 people. Hike organizers are Kathleen Sayce and Hope Stanton, with lichenologist Maysa Miller. Contact Carla Cole to sign up; her email address is [carlajeancole@gmail.com](mailto:carlajeancole@gmail.com).

**Saturday, November 9th, 10:00 am - 2:00 pm**

**Mushrooms of Ft. Clatsop, back by popular demand**

We will spend the morning observing and collecting mushrooms around the Visitors Center in the park, then take our specimens inside to key and identify. Meet at the main parking area in front of the Visitor Center. Wear hiking boots and weather appropriate clothing; bring water and lunch. Activity organizer is Carla Cole. Contact Carla Cole to sign up; her email address is [carlajeancole@gmail.com](mailto:carlajeancole@gmail.com).

### **High Desert**

For information, visit the High Desert Chapter website: [www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org) and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email [highdesertnps@gmail.com](mailto:highdesertnps@gmail.com). Sign up for hikes at <http://www.highdesertnpsoregon.org/>.



### **The Field Guide to Grasses of Oregon and Washington has arrived!**

Finally, we have our Field Guide in hand. Copies are available for purchase here in Bend from authors Cindy Roché and Bob Korfhage. The price is \$35. You save the cost of shipping if you pick it up here in Bend. This book will help you identify all of the grasses found in both states using color photo illustrations and a comprehensive key. It's a bit heavy to carry, but you won't be frustrated by not finding your grass in the book. The microscope pictures of small parts will be helpful whether you use a hand lens or a dissecting microscope. Email if you want to buy a copy: [cindy.talbott.roche@gmail.com](mailto:cindy.talbott.roche@gmail.com).

### **Klamath Basin**

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com>.

### **Mid-Columbia**

For information on the Mid-Columbia Chapter, contact Sara Wu at [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org).

### **Portland**

Take a look at our Facebook page. Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hikes and other events as well as great plant pictures. All hikes and programs, plus many more hikes, are also posted on our Meetup page: <https://www.meetup.com/NPSO-Portland/>

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm. MEETING PLACE: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We will meet in Copeland Commons; enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

**August 10th, 8:30 am - 4:30 pm**

**Trip/Location: Mt. Hood Meadows Chairlift**

**Leaders: Ron Klump & Nancy Chapman**

Description: This hike uses the Mt. Hood Meadows chair lift (\$10 for the day) normally taking skiers to the snowy slopes, to quickly access the high mountain meadows for stunning displays of a variety of alpine flowers. When the wildflowers have dried out

everywhere else in Oregon, this is the place to go in the late season! Join us for fresh mountain air and a magical day on Mt. Hood. Carpools will leave Portland and Hood River to meet at Mt. Hood Meadows Ski Area off of Hwy 35. Contact Ron at [klumpron@gmail.com](mailto:klumpron@gmail.com) for more information on carpooling and to register.

**Wednesday, August 14th, 4:00 - 6:00 PM**

**1st Annual Portland Chapter Picnic!**

Dragonfly Shelter - Area D (reserved all day by NPSO; so come early)

Oxbow Regional Park, 3010 SE Oxbow Parkway, Gresham 97080

\$5 per car load entrance/day use fee

Come out to the only park in the US with an old growth ancient forest near a metropolitan area. You can hike, swim, fish or float down the Sandy River from the picnic shelter. Members or not, join us to celebrate summer in the peaceful beauty of the deep woods. Bring your picnic, plates and utensils, and anything you'd like to cook on the grill. NPSO will provide a hot grill, beverages, and dessert. Alcohol is not permitted. We need to have the site cleaned up by 7 pm. Please RSVP to Lecia Schall, Treasurer, at [schalllecia@gmail.com](mailto:schalllecia@gmail.com) (yes, that's 3 L's) or call/text to 971-246-2865.

**September 12th**

**Program: Friends of Baltimore Woods**

**Presenters: Caroline Skinner, Barbara Quinn**

Volunteer land stewards in a St. Johns neighborhood along the Willamette River have protected a narrow strip of remnant White oak savannah habitat abutting an industrial area. With a meadow planted with native plants after eradicating invasive species to planning the Willamette River Trail connection through the Woods all the way to Kelly Point where the Willamette joins the Columbia River.

**September 28th, 8:30 am - 4:30 pm**

**True Firs of Government Camp, OR**

**Leader: Rick Shory**

Near Government Camp, OR, a little known botanical quirk creates a unique learning opportunity near Portland. The four species of "true" fir (Abies) in the Northwest can be confusing. There is only one small area southeast of Mt. Hood where they all grow together, making comparison easy. Come learn this important genus of conifers, how to distinguish the species and tell them apart from other trees. Very easy hike, just back and forth on river trail and paved road a quarter mile, but you can make it a longer walk if you wish. The leader, Rick Shory, has worked throughout the West as a Forest Service botanist. Meet at the Gateway Park & Ride (Portland) at 8:30 am to carpool. Drive is nearly 140 miles round-trip from Gateway Park & Ride. Alternatively, meet on site at 10:00 am. Registration is required; for more info and to register, visit: <https://www.meetup.com/NPSO-Portland/> or contact Rick at [rickshory@gmail.com](mailto:rickshory@gmail.com).

**Siskiyou**

To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to [announce-join@siskiyou.npsoregon.org](mailto:announce-join@siskiyou.npsoregon.org). No subject or message is required. You will get a confirmation email. If you would like to volunteer

to lead a hike, make a suggestion, or provide feedback regarding the field trip program, please contact Katelyn Detweiler, [detweiler.katelyn@gmail.com](mailto:detweiler.katelyn@gmail.com). Join us on Facebook at: <https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon>

### **Umpqua Valley**

Visit [umpquavallevnativeplants.com](http://umpquavallevnativeplants.com) for more information on chapter activities or to be added to our email list. Check out our Facebook page, [www.facebook.com/UmpquaValleyNPSO](https://www.facebook.com/UmpquaValleyNPSO). Not online - call Donna Rawson 541-643-0364.

We meet in Roseburg then carpool or caravan to destination. If you plan to participate, you must RSVP Rod Trotter 541-672-1907 or Donna 541-643-0364 to confirm your participation. Plans can change on short notice due to weather or flower bloom. NOTE: Many field trip destinations offer no facilities. Umpqua Forest Service advises to protect yourself from mosquitoes in the high country this time of year.

\*\* We are organizing a monthly work party for landscape maintenance of the three native plant gardens we are continuing to enhance. If you like to work with plants and have some flexible time we could use your help. Contact Donna at 541-643-0364 (call or text).

### **Willamette Valley**

For program information, contact John Savage at 503-779-5414, [john@straubcenter.org](mailto:john@straubcenter.org).

**Saturday, August 10th, 8:00 am - 5:00 pm**

#### **Field Trip: Dome Rock**

Aislinn Adams of the Willamette Valley Chapter of the Native Plant Society will lead an all-day walk to view the wildflowers and nibble on the ripe huckleberries on the Dome Rock trail near Detroit. The walk will cover 5-6 miles with elevation gain. Bring water, lunch, snacks, and appropriate footgear and clothing. Location: meet in the parking lot at the Willamette Heritage Center, 1313 Mill Street SE, Salem at 8:00 a.m. to carpool. Space is limited. Registration is required. To register and for more information, contact John Savage, [john@strauboutdoors.org](mailto:john@strauboutdoors.org) or 503-779-5414.

### **William Cusick**

Chapter notices and communications are done primarily through a Google group. For more information or to be added to the Google group, please contact Susan Geer at 541-963-0477 or [susanmgeer@gmail.com](mailto:susanmgeer@gmail.com). Find us on Instagram at [instagram.com/wm.cusick.chapter](https://www.instagram.com/wm.cusick.chapter). Our website is not currently functional.

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### **NPSO State Officers**

- President: Lisa Blackburn, [president@npsoregon.org](mailto:president@npsoregon.org)
- Immediate Past President: Kelli Van Norman, [past\\_president@npsoregon.org](mailto:past_president@npsoregon.org)

- Vice-president: Thea Jaster, [vice-president@npsoregon.org](mailto:vice-president@npsoregon.org)
- Secretary: Steven Yeager, [secretary@npsoregon.org](mailto:secretary@npsoregon.org)
- Treasurer: Cyndi Dion, [treasurer@npsoregon.org](mailto:treasurer@npsoregon.org)
- Directors: Dawn Anzinger, Alexis Brickner, Esther McEvoy, Dan Luoma, Karl Anderson, Stephen Meyers

## Committees & Chairs

- Budgets and [Grants](#): [Dan Luoma](#)
- Conservation: [Dawn Anzinger](#)
- Friends Of The Oregon Flora Project: [Linda Hardison](#)
- Legislative: [Vacant](#)
- Membership: [Margaret Conover](#)
- NPSO Fellows: [Cindy Roché and Kareen Sturgeon](#)
- Rare & Endangered Plants: [Jason Clinch](#)
- Publications: [Cindy Roché and Kareen Sturgeon](#)
- Bulletin Editor: [Alix Danielsen](#)
- Webmaster: [Sunia Yang](#)
- More information about our NPSO Fellows [here](#).

Chapter Presidents and contact information [can be found here](#).



Website



Facebook

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## Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study of  
Oregon's native plants and habitats

**October 2019**

Volume 52, No. 8



Douglas' aster (*Symphyotrichum subspicatum*)

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We hope you enjoy the combined October Bulletin.

Please mark your calendars for the 2020 Annual Meeting:

SAVE THE DATE!

NPSO Annual Meeting

May 29-31, 2020

Spirit Mountain Lodge, Grand Ronde

Hosted by the Cheahmill Chapter

P.S. Check out the profile of NPSO member, Frances Stilwell, in a recent issue of *The Corvallis Advocate*: "[Painting Native Plant Personalities: Frances Stilwell](#)".

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If you prefer to read a hard copy, click on the link at the top of this email that says "view this email in your browser," and then "print" this e-newsletter as a PDF.

If you have any questions, please contact us at [bulletin@npsoregon.org](mailto:bulletin@npsoregon.org).

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## 2019 Annual Meeting Recap



The splendor of the Siskiyou was on full display in July for the NPSO Annual Meeting hosted by the Siskiyou Chapter and based out of Pacifica: A Garden in the Siskiyou in the Applegate Valley. About 150 people explored the botanical diversity of the Siskiyou over the course of three days, with 23 separate field trips into various habitats and botanical hot spots throughout the Applegate River watershed, with a few in the Illinois River watershed.

We couldn't have asked for better weather during this year's Annual Meeting, and the flower displays were amazing! The timing was just right for attendees to see many of the Siskiyou's rare and endemic plant species in full bloom.

On Friday evening Michael Kauffmann illuminated the conifer diversity of the Klamath Mountains through his presentation, *Conifers of the Klamath Mountains*. Michael is a plant explorer and author of *Conifer Country: A Natural History and Hiking Guide to the Conifers of the Klamath Mountain Region*. Check out his wonderful work through his website at Backcountry Press (<https://backcountrypress.com/product/conifer-country/>).

Chef Kristen, of Jefferson Farm Kitchen in Jacksonville, catered the entire Annual Meeting event. She provided wonderful food, including the banquet on Saturday evening, which featured a few field trip highlights from various field trips, the Fellows Awards ceremony, and board member proceedings.

This year two recipients of the NPSO Fellows Award were presented. Barbara Mumblo and Dr. Linda Ann Vorobik were both honored for their long-time dedication to native plant conservation and the Native Plant Society of Oregon.

Barbara Mumblo was unable to attend the 2018 Annual Meeting when she was the recipient, so she was awarded this year instead, which was appropriate, as she was able

to receive the award in her beloved Siskiyou Mountains she calls home. Barbara is a retired US Forest Service botanist. For more information on Barbara Mumblo please see the 2018 NPSO Fellows page at: <http://www.npsoregon.org/felimg/2018fellows.html>.

The 2019 NPSO Fellows Award was awarded to Linda Ann Vorobik, a botanist who specializes in plant systematics and botanical illustration. She is a Visiting Scholar at the University Herbarium at UC Berkeley and at the University of Washington in Seattle. She served as principal illustrator for *The Jepson Manual, Flora of North America Vol. 25*, and numerous other floras, and has illustrated many new species for a variety of authors. For more information on Linda Ann Vorobik please see the 2019 NPSO Fellows page at: <http://www.npsoregon.org/felimg/2019fellows.html>.

Saturday evening's banquet presentation, *The Applegate Siskiyou: Wildlands, Wildflowers & Biodiversity*, was presented by Luke Ruediger. His presentation was an in-depth visual journey across the Applegate Siskiyou, highlighting the many botanical areas, rare plants, wildlands, and special places of the Applegate region. Luke is a naturalist, environmental activist and author of the *Siskiyou Crest: Hikes, History & Ecology*. For more information: <http://thesiskiyoucrest.blogspot.com>.



The 2019 Annual Meeting organizing committee prided itself on the large diversity of field trip options available to attendees. The field trips were a huge success, and everyone came away with a deeper appreciation for the Applegate Siskiyou. Knowledgeable botanists and naturalists led field trips to special places, and each location offered participants an opportunity to learn about the botanical diversity of the region. Field trips allowed attendees to view many rare, endemic, or otherwise unusual species, such as Siskiyou willowherb, split-hair paintbrush, Baker cypress, Siskiyou lewisia, Henderson's horkelia, white rushlily, Brewer spruce, California cobra lily, Sadler's oak, Lee's lewisia, Wiggins' lily, Siskiyou milk vetch, California bog asphodel, Jayne's canyon buckwheat, and Siskiyou beardtongue, to name just a few.

- To view a slideshow of the 2019 Annual Meeting banquet and field trips please visit the following Dropbox link:  
[https://www.dropbox.com/sh/dhb6rv4exixg50b/AACDBErBao546ne\\_NzlFkZRna?dl=0](https://www.dropbox.com/sh/dhb6rv4exixg50b/AACDBErBao546ne_NzlFkZRna?dl=0)
- For full field trip descriptions please visit the 2019 Annual Meeting website at: <http://siskiyou.npsoregon.org/annualmeeting2019/fieldtrips.php> and click on the individual field trips for more information.

## **2019 Annual Meeting Field Trips**

Plein Air Painting on the Siskiyou Crest, Dr. Darlene Southworth  
 Red Lily Riparian Restoration Tour and Wine Tasting, Katelyn Detweiler  
 Cedar Log Flat Research Natural Area, Dominic DiPaolo & Chelsea Reha  
 Grasses of the Enchanted Forest, Dr. Cindy Roche ([Trip Report](#))  
 Pacifica and Forestfarm Nature Walk  
 Whisky Creek, Dr. Dennis Odion & Luke Ruediger  
 Chrome Ridge, Dr. Tom Atzet  
 Dutchman Peak Botanical Area, Barbara Mumblo  
 Siskiyou Crest Road 20, Ben Ey & Jeanine Moy  
 Big Red Mountain (PCT), Rachel Werling & Dr. Jad D’Allura  
 Big Red Mountain (summit), John Villella  
 Bigelow Lakes Basin, Dr. Linda Vorobik & Dr. Cindy Roche  
 Observation Peak, Kristi Mergenthaler & Dr. Dennis Odion  
 TJ Howell Botanical Drive and Babyfoot Lake, Lee Webb  
 Cook and Green Pass and Elk Meadow, Dave Bowden  
 Frog Pond, Julie Spelletich & Richard Callagan  
 Grayback Mountain and Big Sugarloaf Peak, Wayne Rolle  
 Miller Lake Baker’s cypress, Suzie Savoie & Luke Ruediger  
 Free and Easy Creek, Gretchen Vos & Richard Brock  
 Lichens and Bryophytes, Scot Loring  
 Silver Fork Basin, Wayne Rolle & Dr. Cindy Roche  
 Whisky Peak, Jason Clark & Jay D. Scelza  
 Cook and Green Pass, Dr. Linda Vorobik

The 2019 Annual Meeting organizing committee would like to extend our gratitude to everyone who helped make this wonderful event possible! First and foremost we want to thank our hosts at Pacifica: A Garden in the Siskiyou. It was a wonderful event space. We are thankful to Plant Oregon “The Nursery on Wagner Creek” ([www.plantoregon.com](http://www.plantoregon.com)) for sponsoring the meeting. The talented Paula Fong (<https://prfong.com/>) kindly created the logo for us, and Mary Hills illustrated the images for the utensil set and our new t-shirt. Thanks to Ben Ey for illustrating the other t-shirt. Special thanks to the coordinating committee volunteers: Cyndi Dion, Teresa Fernandez, Kristi Mergenthaler, Barbara & Tom Mathieson, Barb Mumblo, Joy Savoie, Suzie Savoie, Julie Spelletich, and Cecile Shohet.

*Suzie Savoie and the 2019 Annual Meeting Organizing Committee*

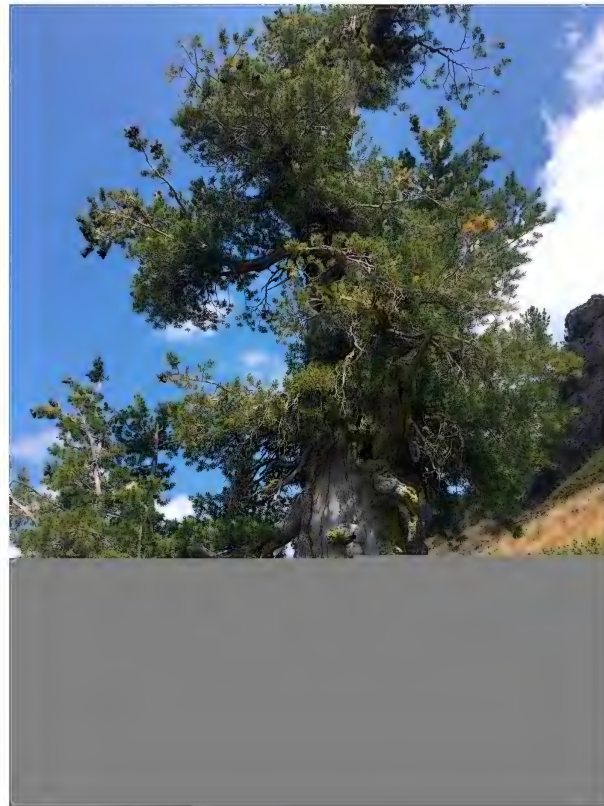
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## Take Your Best Shot: 2020 Native Plant Appreciation Week Poster Contest

Summer's over, but remember all those great photos you took of native plants in Oregon this spring and summer - or maybe even last winter or fall? Now that you're probably spending more time indoors, you could take this opportunity to select the best of your photos and submit them for the Native Plant Appreciation Week Poster Contest. As NPSO is transitioning to a new website, we are trying a new procedure for the second year for photo submission (borrowed from WNPS): email. Entries must be emailed to [npawphotos@npsoregon.org](mailto:npawphotos@npsoregon.org). Each person may enter two photos of Oregon native plants (photographed in Oregon with photographer name, scientific name, common name, photo location, and photo date). All entries must be received by December 15, 2019. Photos will be rated and selected by the poster committee based on subject matter, composition, and technical excellence. The poster designer has sole discretion of not using an image should it not work into the overall layout or is deemed to not be of satisfactory quality. The selected photographer(s) must be able to provide a high-resolution and preferably unedited image (at least 300 dpi) version of the image and must allow NPSO to reproduce the image free of charge for our poster, website, and related publicity material. If you have any questions, please email them to [npawphotos@npsoregon.org](mailto:npawphotos@npsoregon.org).

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## Whitebark Pine Ecosystem Foundation Conference



The Whitebark Pine Ecosystem Foundation (WPEF) announces an upcoming international conference on the Research and Management of High Elevation Five Needle Pines in Western North America to be held on September 15-17, 2020 in Missoula MT.

Forest managers, researchers, advocates and the public are invited to attend this important event! Visit the conference website at [www.highfivepines.org](http://www.highfivepines.org) for details on presenting your paper or poster, becoming a sponsor, volunteering, or attending. Registration and presentation submissions will begin in February 2020.

Why an international conference? Many high-elevation, five-needle pine forests are rapidly declining throughout North America. In particular, the six species the conference will focus on are of great ecological and symbolic importance to both the U.S. and Canada.

- Whitebark pine (*Pinus albicaulis* Engelm.)
- Limber pine (*P. flexilis* James)
- Southwestern white pine (*P. strobiformis* Engelm.)
- Great Basin bristlecone pine (*P. longaeva* D.K. Bailey)
- Rocky Mountain bristlecone pine (*P. aristata* Engelm.)

With this conference the WPEF intends to: (1) bring together scientists, managers, and concerned citizens to exchange information on the ecology, threats, and management of these important pines; 2) learn about the threats and current status of pine populations; (3) describe efforts to mitigate threats through restoration techniques and action plans; and, (4) build a foundation for the synthesis of research efforts and management approaches.

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## Call for Nominations for 2020 Fellows Awards

The Fellows Award is the highest honor bestowed in our Society, recognizing NPSO members for their exceptional contributions to the Society. The award comes with a certificate of recognition and lifetime membership in the Society. In addition to honoring the recipient, the Fellows Award informs the general membership of the good deeds and long-time commitment of some members in supporting our mission, as well as outstanding contributions to knowledge of native plants. The award serves to inspire and encourage newer members to make their own contributions to the Society.

We hope that individuals who are approached for nomination for the award will accept this recognition of their accomplishments. It's important for others to understand what it takes to run an organization staffed entirely by volunteers.

Guidelines for Fellows nominations are available online at [http://www.npsoregon.org/documents/NPSO\\_Fellows.4-4-16.pdf](http://www.npsoregon.org/documents/NPSO_Fellows.4-4-16.pdf) or by request from the Fellows Committee at [fellows@npsoregon.org](mailto:fellows@npsoregon.org). Nominations should be submitted to the Fellows Committee at that email address before December 31 (earlier submission is encouraged). Nominations must include an essay describing the nominee's accomplishments and a good quality digital photo of the nominee that is suitable for publication. The Fellows Committee will evaluate nominations that meet the submission criteria and recommend awardees to the State Board. Awards will be presented at the next Annual Meeting; biographies and photos of recipients will be posted on the NPSO website.

*—Kareen Sturgeon and Cindy Roché.*

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## OregonFlora



By: Dr. Linda K. Hardison  
Director, [Oregon Flora Project](http://oregonflora.org)

**“Celtic harps, rare instruments & wondrous stories: an OregonFlora benefit”**

**Saturday, 26 October, 2019, 3:00-5:00p**

**477 E. 40th Ave Eugene, OR 97405**

The multi-instrumentalist duo of Lisa Lynne & Aryeh Frankfurter present an afternoon of music with Celtic Harps, Swedish Nyckelharpa, Ukrainian Bandura, Bouzouki, Cittern and more. Join these international performers and recording artists in an event benefitting OregonFlora. Appetizers, silent auction, and a wine raffle are featured.

Advance tickets (\$25) are available [online](http://oregonflora.org); purchase at the door as space allows.

Questions, or want to help? 541-737-4338; [ofpflora@oregonflora.org](mailto:ofpflora@oregonflora.org)

Contributions can be made online ([www.oregonflora.org/supportOFP.php](http://www.oregonflora.org/supportOFP.php)) or mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320, Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include “OFP” on the memo line.

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## **State & Chapter Notes**

### **State Notes/Announcements:**

**State Board Meeting** - The next State Board Meeting is scheduled for October 12th, 10am to 2pm, at the Douglas Soil and Water Conservation District office at 2741 W. Harvard Ave. in Roseburg. Hosted by the Umpqua Chapter.

**SAVE THE DATE!**

**NPSO Annual Meeting**

May 29-31, 2020  
Spirit Mountain Lodge, Grand Ronde  
Hosted by the Cheahmill Chapter

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Chapter Notes:

Blue Mountain

For information on Blue Mountain Chapter, call Jerry Baker, 541-566-2244. To get on our email list, contact flora.id@wtechlink.us.

Cheahmill

For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at ch_president@NPSOregon.org. Check out our Facebook page at [facebook.com/Native Plant Society of Oregon: Cheahmill Chapter](https://facebook.com/NativePlantSocietyofOregon).

Meeting and work party location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. The library parking lot may be entered from either Adams or Second streets. Meetings start at 7 pm. Doors open at 6:45 pm for socializing.

October 24, Thursday, 6:45 to 8:45 pm

Program: Sustainable Roadsides for Yamhill County - The Yamhill County Public Works GIS Roadside Vegetation Inventory

The two GIS Interns who worked for the Yamhill County Roadside Vegetation Inventory in the summer of 2019, Jordan Anderson and Chealsey Rosebrook, will show with maps and photos what they discovered along the roadsides. They collected data with GPS locations on 1) native plants (both populations of significant species and healthy native plant communities), 2) invasive plants, and 3) erosion. Now in the third year of the RVI, these features have been mapped on all the paved roads and most of the gravel roads. Susan Aldrich-Markham, a member of YCPW Roadside Vegetation Management Advisory Committee and leader for the RVI since its beginning in 2016, will talk about how this information will be used by Public Works and by the Yamhill Soil and Water Conservation District for developing erosion control revegetation projects, for protecting and promoting native plants, and for reducing invasive plants. The long-term goal is to move from miles of bare soil and erosion to roadsides protected with stable, low-maintenance native plant communities. Jordan, Chealsey, and Susan are all Cheahmill Chapter NPSO members. Location: Carnegie Room, McMinnville Public Library; see above for details.

Cheahmill is hosting the 2020 Annual Meeting:

SAVE THE DATE!

NPSO Annual Meeting

May 29-31, 2020

Spirit Mountain Lodge, Grand Ronde

Corvallis

For questions, information on upcoming events, or to be on the Corvallis Chapter email list, contact co_president@NPSOregon.org. Find us on Facebook at facebook.com/CorvallisNPSO.

Sunday, October 13, 8am-4pm

Field Trip: Fungi Foray

Wear weather appropriate clothing and bring a lunch and water. You will also need waxed paper or paper sandwich bags to hold the fungi, maybe a basket (and a mushroom knife or scissors). Location: meet at the OSU Wilkinson Hall parking lot on the SW corner of 26th and Monroe, across from the Monroe Beanery at 8am. For information, contact field trip leader: Michele Wiseman, wisemami@science.oregonstate.edu.

Monday, October 14, 7:30pm

Chapter Meeting, Room 2087 Cordley Hall, OSU

Esther McEvoy and Jennifer Ward will present: "Peacock larkspur (*Delphinium pavonaceum*): Conservation Efforts on the Corvallis Watershed". In 2015 a 3 year project to grow out Peacock larkspur was undertaken at the direction of Jennifer Ward, Watershed Program Specialist with the City of Corvallis, Public Works. In the fall of 2018, 1,500 3 year old *Delphinium pavonaceum* plants were planted out with associated species in three sites in the Corvallis watershed.

Sunday, October 27, 10 am - noon

Fall Work Party at our native plant garden around the Avery House. Come prepared for the weather. Bring gloves, clippers, and a snack for lunch. We will do a fall clean up, do plant divisions, and some pruning. Contact Esther for more information at estherco@peak.org or 541-990-0948.

Emerald

Our chapter meets the 3rd Monday at 7 pm, September through April, at the Amazon Community Center. Visit the Emerald Chapter website at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

Wednesday, October 16th, 7:00 pm

Program: Relationships between the Plant and Fungi worlds

Daphne Stone will be the presenter followed by a "culinary mushroom experience" with chef Chad Hyatt. Co-sponsored with the Cascade Mycological Society. Please note this meeting is on a Wednesday at the Amazon Community Center front room, closest to the parking lot w/the receptionist desk in the lobby. Location: Amazon Community Center, 2700 Hilyard St., Eugene.

Saturday, October 26th, 3:00 pm to 5:00 pm

Celtic Harps, Rare Instruments & Wondrous Stories: an OregonFlora Benefit

The multi-instrumentalist duo of Lisa Lynne & Aryeh Frankfurter present an afternoon of music with Celtic Harps, Swedish Nyckelharpa, Ukrainian Bandura, Bouzouki, Cittern and more. Join these international performers and recording artists in an afternoon benefitting OregonFlora, a program that provides resources about the plants of the state. Appetizers, silent auction, and wine raffle are featured. Location: 477 E. 40th Ave, Eugene. Tickets: <https://www.eventbrite.com/e/71438236689>

Tuesday, November 5th, 2:00 pm to 4:00 pm

Field Trip: Tour the Museum of Natural and Cultural History Condon Collection of Fossils at the University of Oregon

You are invited to visit the lab where fossil collections from the field are analyzed and identified. We will also see the vault where rare fossils of ancient plants and animals of Oregon are stored. There are huge mastodon teeth as well as imprints of palm trees and tree ferns. The tour begins 2:00 pm at Room 310, Cascade Hall at the office of geology Professor Greg Retallack near Onyx St. and Franklin Boulevard. Parking space is limited at the University. Walking or traveling by the EMX bus are good options. For more information call Dave at 541-345-5531 or email dpredeek@msn.com.

Monday, November 18th, 7:00 pm

Program: Standing on the shoulders of giants: revising Flora of the Pacific Northwest Speaker: David Giblin

Neither a region's flora nor the science of vascular plant taxonomy is static in their nature. In the 40 years since publication of *First Edition of the Flora of the Pacific Northwest* significant changes have occurred to the region's flora (e.g., discovery of new species, arrival of additional non-native species) and to the classification and naming of the taxa covered in that volume. At the time of publication, users of the Flora, 1st edition could arrive at a currently accepted name for nearly all taxa within the region with the keys provided. In 2013, when we began revising Flora, 1st edition, those same keys achieved a similar result for only 41% of the region's taxa. In this talk I will provide background information about Hitchcock and Cronquist, explain the approaches used to produce Flora, 2nd edition, introduce the people involved, and summarize the changes between the two editions. David Giblin, Ph.D, is Collections Manager and Research Botanist at the University of Washington Herbarium of the Burke Museum of Natural History. His research focus is the distribution and diversity of the Pacific Northwest vascular plant flora. He is lead editor and a co-author for *Flora of the Pacific Northwest, 2nd edition*. David is also co-author of the Washington Wildflowers and Idaho Wildflowers identification apps, and wildflower guides to the Olympic Mountains and Mount Rainier. He serves as a Board Member and Taxon Editor for the Flora of North America Project. He holds a Master's degree in plant ecology from the University of Washington, and a Ph.D. in plant evolutionary biology from the University of Missouri. Location: Amazon Community Center, 2700 Hilyard St., Eugene.

Monday, December 16th, 7:00 pm

Program: Holiday Social--Botanical destinations and stories

Attendees are invited to bring 10-12 photos on a flash drive to show and recount their

botanical adventures over the year. Bring a snack or beverage to share. We try to make this a no-waste event so please bring your own beverage cup, small plate, utensil and napkin if possible. Location: Amazon Community Center, 2700 Hilyard St., Eugene.

Filipendula

For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, carlajeancole@gmail.com.

All year: North Oregon Restoration Partnership potting days in Tillamook, OR at the nursery, with Maysa Miller

We will share the volunteer activity dates, and encourage everyone to join during the year to help the nursery with potting up native plants. It's a great way to pick up new skills in potting and handling native plants. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

Thursday, October 24th, 7:00 pm - 9:00 pm

Night hike with UV Lights to see lichens and other common species at night.

We will tour old fruit trees (pear, plum and apple) to see several lichen species and bryophytes by UV light. This is on Hwy 53, Nehalem, Oregon. We will meet at Hope Stanton's house for a pre-hike potluck dinner starting at 6 pm and carpool to the Stoppiellos, a quarter-mile away. Hope's address is 43005 North Fork Road, Nehalem, Oregon, 97131; this is very near the intersection of N Fork Rd and Hwy 53. Wear sturdy footwear and weather appropriate clothing; bring a flashlight - no headlamps please! We will provide UV lights and eye protection. Limited to 12 people. Hike organizers are Kathleen Sayce and Hope Stanton, with lichenologist Maysa Miller. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

Saturday, November 9th, 10:00 am - 2:00 pm

Mushrooms of Ft. Clatsop, back by popular demand

We will spend the morning observing and collecting mushrooms around the Visitors Center in the park, then take our specimens inside to key and identify. Meet at the main parking area in front of the Visitor Center. Wear hiking boots and weather appropriate clothing; bring water and lunch. Activity organizer is Carla Cole. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

High Desert

For information, visit the High Desert Chapter website: www.highdesertnpsoregon.org and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email highdesertnps@gmail.com. Sign up for hikes at <http://www.highdesertnpsoregon.org/>.

Klamath Basin

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com>.

Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at mc_president@NPSOregon.org.

Portland

Take a look at our Facebook page. Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hikes and other events as well as great plant photos. All hikes and programs are also posted on our Meetup page: <https://www.meetup.com/NPSO-Portland/>.

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm. Location: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We will meet in Copeland Commons; enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

Thursday, October 10, 7:00 pm

Program: Mt. Hood Native Flora from Forest to Alpine; An Artist's Viewpoint

Presenter: Sue Allen, Brightwood, OR Artist

One of Oregon's iconic nature and flower artists, Sue Allen will present a slide show to music of a selection of places and native plants on Mt. Hood, with identification. Having lived and explored around Mt. Hood since 1981, she still draws inspiration from the journeys. And, she will have a display/sales of many of her cards and original screen prints with a focus on Mt. Hood and its native flora and landscape! A private showing just for NPSO members and guests!

Saturday, October 26, 9:00 am - 12:00 pm (rain or shine)

Weed Pull Volunteer Event, "No Ivy" Day, Elk Rock Island, Milwaukie

Leaders: Friends of Elk Rock Island - Spring Park & Portland Chapter volunteers

NPSO volunteers and friends join the N. Clackamas Parks & Rec District and Friends of Elk Rock Island - Spring Park Natural Area to continue control and removal of English ivy from an iconic landmark in the Willamette River. The Island supports a surprising diversity of native plants and trees on just 14 acres of ancient volcanic rock outcroppings, vernal pools, and an oak prairie habitat. The Portland Chapter of NPSO kicks off their new partnership with NCPRD managers to join this "ivy pull" volunteer opportunity. Dress accordingly; Poison Ivy is present year round! Meet at Spring Park, 2001 SE Sparrow Street, Milwaukie 97222 (for tools and directions). Contact: Willow Elliott at salixsky@hotmail.com or text 503-358-5848 for more info on start time and to confirm attendance; no registration required.

Saturday, November 2, 1:00 pm - 4:00 pm (rain or shine)

Nob Hill Nature Park Volunteer Work Party, St. Helens

Leaders: Scappoose Bay Watershed Council & Friends of Nob Hill Nature Park

Nob Hill Nature Park is a unique 6.6-acre oak woodland overlooking the Columbia River from a basalt bluff "nob". The Friends of NHNP have been doing restoration there since 2004. You can help maintain trails and native plantings with removal of invasive species. Dress for the weather, including rain gear if needed. Gloves, tools, water, and snacks are

provided. Pre-registration requested by Friday, Nov. 1 by calling SBWC at 503-397-7904 or email info@scappoosebay-wc.org. Meet at 451 Plymouth Street, St. Helens, across the street from the City Wastewater Treatment Plant. Look for the Nob Hill sign down the hill.

Thursday, November 14, 7:00 pm

Program: Traditional Uses of Pacific NW Native Plants

Presenter: Greg Archuleta, Confederated Tribes of Grand Ronde

Greg Archuleta is Clackamas Chinook, Santiam Kalapuya, and Shasta, and a member of the Confederated Tribes of Grand Ronde as an instructor for their Lifeways program. As an artist and educator, he teaches about the culture and history of the Tribes of Western Oregon, including ethnobotany, carving, cedar hat making, Native art design, and basketry. He will share seldom heard traditional gathering, preparation, and use of native NW plants used by many Indigenous Peoples of the NW for 1,000's of years.

Siskiyou

To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike, make a suggestion, or provide feedback regarding the field trip program, please contact Katelyn Detweiler, detweiler.katelyn@gmail.com. Join us on Facebook at: <https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon>

Thursday, October 17, 7:00 pm

PROGRAM: The Applegate Siskiyou: Wildlands, Wildflowers & Biodiversity

The Siskiyou Chapter will host guest speaker, Luke Ruediger, for an encore of his Annual Meeting presentation: *The Applegate Siskiyou: Wildlands, Wildflowers & Biodiversity*. This presentation will take you on an in-depth visual journey across the Applegate Siskiyou, highlighting the many botanical areas, rare plants, wildlands, and special places of the region. Luke is a naturalist, environmental activist, and author of the *Siskiyou Crest: Hikes, History & Ecology*. Refreshments at 6:45pm, meeting and program at 7:00pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public.

Umpqua Valley

Visit umpquavalleynativeplants.com for more information on chapter activities or to be added to our email list. Check out our Facebook page, www.facebook.com/UmpquaValleyNPSO. Not online - call Donna Rawson 541-643-0364.

We meet in Roseburg then carpool or caravan to destination. If you plan to participate, you must RSVP Rod Trotter 541-672-1907 or Donna 541-643-0364 to confirm your participation. Plans can change on short notice due to weather or flower bloom. NOTE: Many field trip destinations offer no facilities. Umpqua Forest Service advises to protect yourself from mosquitoes in the high country this time of year.

****** We are organizing a monthly work party for landscape maintenance of the three native plant gardens we are continuing to enhance. If you like to work with plants and have some flexible time we could use your help. Contact Donna at 541-643-0364 (call or text).

Willamette Valley

For program information, contact John Savage at 503-779-5414, john@straubcenter.org.

William Cusick

Chapter notices and communications are done primarily through a Google group. For more information or to be added to the Google group, please contact Susan Geer at 541-963-0477 or susanmgeer@gmail.com. Find us on Instagram at [instagram.com/wm.cusick.chapter](https://www.instagram.com/wm.cusick.chapter). Our website is not currently functional.

NPSO State Officers

- President: Lisa Blackburn, president@npsoregon.org
- Immediate Past President: Kelli Van Norman, past_president@npsoregon.org
- Vice-president: Thea Jaster, vice-president@npsoregon.org
- Secretary: Steven Yeager, secretary@npsoregon.org
- Treasurer: Cyndi Dion, treasurer@npsoregon.org
- Directors: Dan Luoma, Karl Anderson, Stephen Meyers, Gail Baker, Jason Clinch, Sarah Ratay

Committees & Chairs

- Budgets and Grants: [Dan Luoma](#)
- Conservation: [Dawn Anzinger](#)
- Friends Of The Oregon Flora Project: [Linda Hardison](#)
- Legislative: [Vacant](#)
- Membership: [Margaret Conover](#)
- NPSO Fellows: [Cindy Roché and Kareen Sturgeon](#)
- Rare & Endangered Plants: [Jason Clinch](#)
- Publications: [Cindy Roché and Kareen Sturgeon](#)
- Bulletin Editor: [Alix Danielsen](#)
- Webmaster: [Sunia Yang](#)
- More information about our NPSO Fellows [here](#).

Chapter Presidents and contact information [can be found here](#).



Website



Facebook

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Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study of
Oregon's native plants and habitats

November 2019

Volume 52, No. 9



Pink sand verbena (*Abronia umbellata*) near Coos Bay. Photo by Lisa Schomaker.

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We hope you enjoy the November Bulletin.

Please mark your calendars for the 2020 Annual Meeting:

**SAVE THE DATE!**

**NPSO Annual Meeting**

May 29-31, 2020

Spirit Mountain Lodge, Grand Ronde

Hosted by the Cheahmill Chapter

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If you prefer to read a hard copy, click on the link at the top of this email that says "view this email in your browser," and then "print" this e-newsletter as a PDF.

If you have any questions, please contact us at bulletin@npsoregon.org.

Making Connections: Partnerships support the recovery of rare species at Nestucca Bay National Wildlife Refuge

Nestucca Bay National Wildlife Refuge (NWR) is full with the sound of distant waves hitting the shore, field mice moving underfoot, and a diversity of bird species flying overhead. Walking in the coastal prairie or underneath the hardwood trees reveals a view of the ebbs and flows of the tide. The wind and crashing waves coalesce to carry a cool salty breeze over the mosaic of flora and fauna. While this area is a pleasure for the senses, what is not readily sensed is something less tangible: the relationship between the threatened Oregon silverspot butterfly (*Speyeria zerene hippolyta*) and the early blue violet (*Viola adunca*), as well as the partnerships working behind the scenes to protect them both. The U.S. Fish and Wildlife Service (USFWS) Coastal Program partners with the Institute for Applied Ecology (IAE), the USFWS Recovery Program, and the Nestucca Bay NWR to restore the coastal prairie ecosystem. After years of reintroduction and collaborative management efforts, native plants are re-entering the landscape.



Oregon silverspot butterfly (*Speyeria zerene hippolyta*) nectaring on pearly everlasting (*Anaphalis margaritacea*) at Nestucca Bay NWR. Photo: Institute for Applied Ecology staff.

Nestucca Bay NWR was created in 1991 for the purpose of protecting and restoring habitat for Dusky Canada Geese and Aleutian Cackling Geese, but has since provided refuge for more than migrating birds. Since the refuge was established--with help from The Nature Conservancy--the USFWS Coastal Program has acquired parcels of land that put the total acreage at 1,202 acres, making it the largest refuge within the Oregon Coastal Refuge Complex. Prior to its designation the area had been largely used for cattle grazing by dairy operations, which led to the introduction of invasive grasses and the loss of native plants and coastal prairie habitat. Due to the fact that only one percent of Oregon's coastal prairie remains intact--which in turn affects the reproductive efforts of the Oregon silverspot butterfly--there is a collaborative effort at Nestucca Bay NWR to restore the habitat to its previous diversity and functionality.

The early blue violet, a small but lovely plant, is distributed across a wide swath of North America, growing in coastal prairies and montane grasslands. Several endangered and threatened species of butterflies depend solely on the early blue violet as a larval host plant, including the Oregon silverspot butterfly. The flowers provide an important source of nectar for several insects in early spring, while in late summer its seeds are a food source for birds and mice. While *Viola adunca* is found across the continent, there are only a handful of populations of Oregon silverspot butterfly, and the majority have been in decline due to the loss of coastal prairie habitat and lack of habitat management which has resulted in meadow encroachment by woody and shrubby species.



Early blue violet (*Viola adunca*) at Nestucca Bay NWR. Photo: Institute for Applied Ecology staff.

A large population of this species of violet is essential throughout the butterflies' life cycle, thus it is necessary to provide quality habitat to support both species. Eggs are oviposited near the violets in early fall, with adults preferring moderate sun exposure. After about 16 days, the larvae hatch and find a place to overwinter nearby. In the spring, the larvae feed on the violet leaves as they grow and molt before they pupate. From July to September, the adults emerge from their pupal case, travel to nearby forests, and begin their mating season. Habitat destruction by human development, grazing, and fire suppression followed by succession of woody plants are the main threats to the butterfly's survival. In order to support this species, the USFWS has been working with multiple partners to manage existing habitat and to reestablish habitat conducive to the needs of the Oregon silverspot butterfly and *Viola adunca*.

A restoration of this scale requires collaboration between many groups in order to be successful. Like the network of ecological connections that the butterfly relies on to complete its life-cycle, successful habitat management requires a network of committed partnerships to do the work that each cannot do alone. As interns at IAE we traveled in June to Nestucca Bay NWR to monitor the plant community in five different meadows at varying phases of restoration. In each meadow, we estimated the percent cover of all plant species in randomly selected locations. These data will allow us to evaluate the cover of introduced and native species, informing future management actions to support healthy coastal prairie habitats.

One of IAE's roles in this project was the development of the recovery plan for the coastal prairie habitat that is currently in progress on Cannery Hill in the refuge. A priority for restoration of the site is the eradication of introduced graminoid species. Management actions at this site have included hand weeding, herbicide treatment, seeding of native plant species, and prescribed burns. Since management began at Nestucca NWR, the cover of the early blue violet has increased, but remains less than 1%. *Viola adunca* grows well in the sandy and often gravelly substrates of coastal prairies

where it must compete with introduced forb and graminoid species which grow aggressively in disturbed soils. Since violets are low-growing, mowing is recommended to prevent shading by introduced graminoids. In addition to control of non-native species, early blue violet plugs were planted to support the Oregon silverspot butterfly throughout its life cycle. To increase the availability of seed for restoration, wild seed collection and propagation are a key part of this effort.



Propagation of pacific aster (*Symphyotrichum chilense*) for restoration at Nestucca Bay NWR. Photo: Institute for Applied Ecology staff.

As interns, we were interested to see different organizations working together to conserve the Oregon silverspot butterfly, the early blue violet, and coastal prairie habitat.

For more information on this and other projects, please visit IAE's website at appliedeco.org. For more information on IAE/NPSO internship opportunities, please contact Matt Bahm at mattab@appliedeco.org. We sincerely thank NPSO for contributing to the botanical education and work experience for tomorrow's environmental leaders.

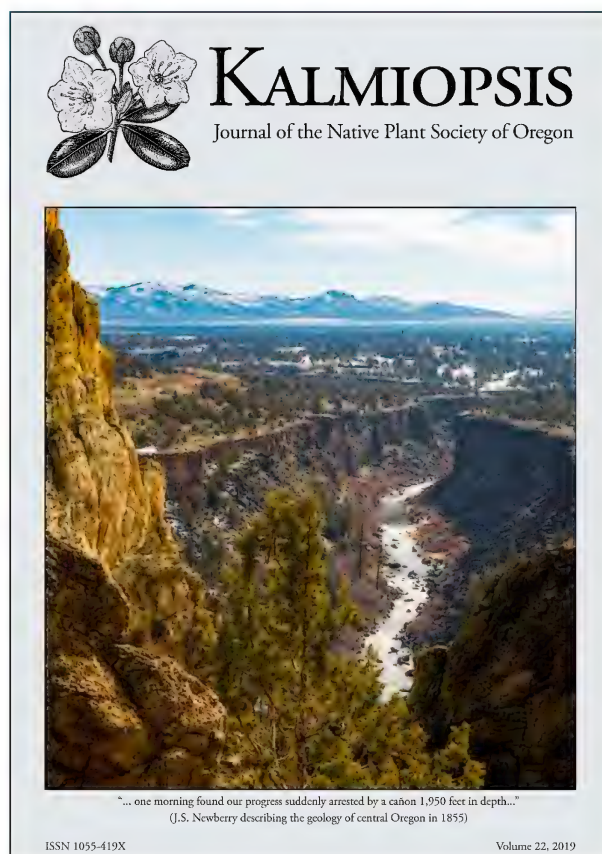
- Cia Crowe and Eva Brod

Take Your Best Shot: 2020 Native Plant Appreciation Week Poster Contest

Time is running out to submit your photos for the **2020 Native Plant Appreciation Week**

Poster contest! The deadline is December 15th! Entries must be emailed to npawphotos@npsoregon.org. Each person may enter two photos of Oregon native plants (photographed in Oregon with photographer name, scientific name, common name, photo location, and photo date). All entries must be received by December 15, 2019. Photos will be rated and selected by the poster committee based on subject matter, composition, and technical excellence. The poster designer has sole discretion of not using an image should it not work into the overall layout or is deemed to not be of satisfactory quality. The selected photographer(s) must be able to provide a high-resolution (at least 300 dpi) and preferably unedited version of the image and must allow NPSO to reproduce the image free of charge for our poster, website, and related publicity material. If you have any questions, please email photo entries to: npawphotos@npsoregon.org.

WANTED: Authors for *Kalmiopsis*



Overheard (again) at the 2019 Annual Meeting: “We really miss our NPSO journal, *Kalmiopsis*.”

Response from the Publication Committee: “We have brought the journal back and the new issue will be arriving soon. Now we are looking for articles for the 2020 issue, and we need YOU to step up and write for it.”

No idea what to write about? We’d love to hear about your favorite native plant. Take a digital camera and get some stunning photographs; delve a little deeper and learn who

first discovered and named it, its distribution, ecology, and reproductive biology. Tell us how to identify it and anything else you discover. Voila, a **Plant of the Year** article.

Feeling a little more ambitious? Describe one of your favorite haunts in Oregon to botanize. Tell us about the geology, plant communities, climate, history, and share your species list. There you have it, an **Oregon Plants and Places** article.

Curious about historical botanists? It's a shame if the people who shaped the botanical history of Oregon are forgotten. Researching their lives can be a fascinating project. If you need suggestions, let us know.

More interested in the present? Tell us about your passion, maybe its conserving a rare plant habitat or restoring native communities on disturbed sites, or something that the rest of us don't know about. Don't keep it to yourself. Perhaps you'll inspire others to take action for native plants.

Let us know if you can help sustain our special journal, *Kalmiopsis*, and we'll send you a copy of the Instructions for Authors. We are hoping to hear from you soon.

- *Cindy Roché and Kareen Sturgeon*

LAST CALL for Nominations for 2020 Fellows Awards

The Fellows Award is the highest honor bestowed in our Society, recognizing NPSO members for their exceptional contributions to the Society. The award comes with a certificate of recognition and lifetime membership in the Society. In addition to honoring the recipient, the Fellows Award informs the general membership of the good deeds and long-time commitment of some members in supporting our mission, as well as outstanding contributions to knowledge of native plants. The award serves to inspire and encourage newer members to make their own contributions to the Society.

We hope that individuals who are approached for nomination for the award will accept this recognition of their accomplishments. It's important for others to understand what it takes to run an organization staffed entirely by volunteers.

Guidelines for Fellows nominations are available online at http://www.npsoregon.org/documents/NPSO_Fellows.4-4-16.pdf or by request from the Fellows Committee at fellows@npsoregon.org. Nominations should be submitted to the Fellows Committee at that email address before December 31 (earlier submission is encouraged). Nominations must include an essay describing the nominee's accomplishments and a good quality digital photo of the nominee that is suitable for

publication. The Fellows Committee will evaluate nominations that meet the submission criteria and recommend awardees to the State Board. Awards will be presented at the next Annual Meeting; biographies and photos of recipients will be posted on the NPSO website.

- Kareen Sturgeon and Cindy Roché.

OregonFlora



By: Dr. Linda K. Hardison
Director, [Oregon Flora Project](#)

This is the final opportunity to be recognized as a sponsor of elements of Volume 2 of the Flora of Oregon! Any plant group covered (*Aizoaceae* - *Fagaceae*) can be sponsored for \$125/species. See the [Flora page](#) of our website for a list of taxa. Front chapters covering plant-insect interactions or gardening with natives (\$400/chapter) can also be designated. Acknowledgement of sponsors and any person/group being honored will be printed in the front material of Volume 2. This is an enduring way to express your commitment to the knowledge and enjoyment of our state's plant diversity. Proceeds from these sponsorships go to defray printing costs of the ~900-page hardbound volume.

Time is limited, however; **requests must be received by November 15th**. Please send your selection to OregonFlora, Dept. Botany & Plant Pathology, Oregon State University, Corvallis OR 97331-2902.

Contributions in support of our grant- and donations-funded program are gratefully accepted. These can be made online (www.oregonflora.org/supportOFP.php) or mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320, Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include "OFP" on the memo line.

State & Chapter Notes

State Notes/Announcements:

SAVE THE DATE!

NPSO Annual Meeting

May 29-31, 2020

Spirit Mountain Lodge, Grand Ronde

Hosted by the Cheahmill Chapter

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### Chapter Notes:

#### Blue Mountain

For information on Blue Mountain Chapter, call Jerry Baker, 541-566-2244. To get on our email list, contact [flora.id@wtechlink.us](mailto:flora.id@wtechlink.us).

#### Cheahmill

For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org).

Check out our Facebook page at <https://www.facebook.com/NPSO.Cheahmill/>.

Meeting and work party location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. The library parking lot may be entered from either Adams or Second streets. Meetings start at 7 pm. Doors open at 6:45 pm for socializing.

**Thursday, November 14th, 6:45 p.m. - 8:45 p.m.**

**Program: Mushroom Identification and Foraging**

Rachel Zoller, a member of the Oregon Mycological Society, will share information about mushroom ID, foraging, and fungal/plant associations. Location: Carnegie Room, McMinnville Public Library; **see above for details.**

**Saturday, November 23rd, 10:00 a.m. to noon**

**Work Party: Native Plant Garden at McMinnville Public Library**

Spend a couple hours between 10 and noon with a congenial crew and get to know native plants with our new green plant markers. Learn how the beauty, diversity, and educational value of this mature demonstration garden is maintained with a minimum of effort. Bring gloves, bucket, and gardening tools if you have them. For more information, contact Catie Anderson at [catie.fishback@gmail.com](mailto:catie.fishback@gmail.com) or [503-435-2401](tel:503-435-2401).

**Cheahmill is hosting the 2020 Annual Meeting:  
SAVE THE DATE!  
NPSO Annual Meeting  
May 29-31, 2020  
Spirit Mountain Lodge & Casino, Grand Ronde**

### **Corvallis**

For questions, information on upcoming events, or to be on the Corvallis Chapter email list, contact [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org). Find us on Facebook at [facebook.com/CorvallisNPSO](https://facebook.com/CorvallisNPSO).

**Monday, November 11th, 7:30 p.m. - 9:00 p.m.**

**Chapter Meeting, Room 2087, Cordley Hall, OSU**

"Wildflowers of Southeast Oregon" by Phillip Hays, Corvallis Chapter NPSO. Phil will present a photographic tour of the natural features of Harney County, Oregon, including the Malheur National Wildlife Refuge, Steens Mountain Wilderness, Alvord Desert, and the Hart Mountain National Antelope Refuge. For information contact Judi, [judi.sanders@gmail.com](mailto:judi.sanders@gmail.com).

**Monday, December 9th, 7:00 p.m. - 9:00 p.m.**

**Winter Celebration at Amy Rossman and Christian Feuillet's house, 1808 NW Sunview Dr., Corvallis**

Bring a snack/dessert to share as we socialize. Bring up to 15 slides to show and plan to limit sharing to ten minutes. Please note the new location and time. For information contact Judi, [judi.sanders@gmail.com](mailto:judi.sanders@gmail.com).

### **Emerald**

Our chapter meets the 3rd Monday at 7 pm, September through April, at the Amazon Community Center. Visit the Emerald Chapter website at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

**Tuesday, November 5th, 2:00 p.m. - 4:00 p.m.**

**Field Trip: Tour the Museum of Natural and Cultural History Condon Collection of Fossils at the University of Oregon.**

You are invited to visit the lab where fossil collections from the field are analyzed and identified. We will also see the vault where rare fossils of ancient plants and animals of Oregon are stored. There are huge mastodon teeth as well as imprints of palm trees and tree ferns. The tour begins 2:00 pm at Room 310, Cascade Hall at the office of geology Professor Greg Retallack near Onyx St and Franklin Boulevard. Parking space is limited at the University. Walking or traveling by the EMX bus are good options. For more information call Dave at 541-345-5531 or email [dpredeek@msn.com](mailto:dpredeek@msn.com).

**Monday, November 18th, 7:00 pm**

**Program: Standing on the Shoulders of Giants: Revising Flora of the Pacific Northwest**

Abstract: Neither a region's flora nor the science of vascular plant taxonomy is static in their nature. In the 40 years since publication of First Edition of the Flora of the Pacific Northwest significant changes have occurred to the region's flora (e.g., discovery of new species, arrival of additional non-native species) and to the classification and naming of the taxa covered in that volume. At the time of publication, users of the Flora, 1st edition could arrive at a currently accepted name for nearly all taxa within the region with the keys provided. In 2013, when we began revising Flora, 1st edition, those same keys achieved a similar result for only 41% of the region's taxa. In this talk I will provide background information about Hitchcock and Cronquist, explain the approaches used to produce Flora, 2nd edition, introduce the people involved, and summarize the changes between the two editions. David Giblin, Ph.D, is Collections Manager and Research Botanist at the University of Washington Herbarium of the Burke Museum of Natural History. His research focus is the distribution and diversity of the Pacific Northwest vascular plant flora. He is lead editor and a co-author for Flora of the Pacific Northwest, 2nd edition. David is also co-author of the Washington Wildflowers and Idaho Wildflowers identification apps, and wildflower guides to the Olympic Mountains and Mount Rainier. He serves as a Board Member and Taxon Editor for the Flora of North America Project. He holds a Master's degree in plant ecology from the University of Washington, and a Ph.D. in plant evolutionary biology from the University of Missouri. Location: Amazon Community Center, 2700 Hilyard St., Eugene.

**Monday, December 16th, 7:00 pm**

**Program: Holiday Social--Botanical Destinations and Stories.**

Attendees are invited to bring 10-12 photos on a flash drive to show and recount their botanical adventures over the year. Bring a snack or beverage to share. We try to make this a no-waste event so please bring your own beverage cup, small plate, utensil and napkin if possible. Location: Amazon Community Center, 2700 Hilyard St., Eugene.

**Filipendula**

For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, [carlajeancole@gmail.com](mailto:carlajeancole@gmail.com).

**All year: North Oregon Restoration Partnership potting days in Tillamook, OR at the nursery, with Maysa Miller**

We will share the volunteer activity dates, and encourage everyone to join during the year to help the nursery with potting up native plants. It's a great way to pick up new skills in potting and handling native plants. Contact Carla Cole to sign up; her email address is [carlajeancole@gmail.com](mailto:carlajeancole@gmail.com).

**Saturday, November 9th, 10:00 am - 2:00 pm**

**Mushrooms of Ft. Clatsop, back by popular demand**

We will spend the morning observing and collecting mushrooms around the Visitors Center in the park, then take our specimens inside to key and identify. Meet at the main parking area in front of the Visitor Center. Wear hiking boots and weather appropriate clothing; bring water and lunch. Activity organizer is Carla Cole. Contact Carla Cole to

sign up; her email address is [carlajeancole@gmail.com](mailto:carlajeancole@gmail.com).

### **High Desert**

For information, visit the High Desert Chapter website: [www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org) and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email [highdesertnps@gmail.com](mailto:highdesertnps@gmail.com). Sign up for hikes at <http://www.highdesertnpsoregon.org/>.

**Monday, November 18th, 7:30 p.m.**

**High Desert Chapter Meeting. Program: Don't Panic! It's just a grass.**

Join local grass girl Cindy Roché for an evening of grass enlightenment, as you travel “through the Looking Glass” (hand lens or camera lens) to view a wondrous world as she sees it. You’ll never look at grasses in the same way again. This talk is based on the new *Field Guide to the Grasses of Oregon and Washington*, by Roché and Bob Korfhage, with the Carex Working Group and published by OSU Press. Deschutes Public Library, Downtown Bend, 507 Wall St.

### **Klamath Basin**

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com>.

### **Mid-Columbia**

For information on the Mid-Columbia Chapter, contact Sara Wu at [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org).

### **Portland**

Portland Chapter outings and programs are posted on the NPSO Meetup- Portland Chapter page at [meetup.com/NPSO-Portland/](http://meetup.com/NPSO-Portland/) and also at [facebook.com/nps.portland/](https://facebook.com/nps.portland/). Our Facebook page is regularly updated with current bloom status and photos.

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm. MEETING PLACE: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We meet in the Copeland Commons; enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont Streets.

**Saturday, November 2nd, 1:00 pm - 4:00 pm (rain or shine)**

**Nob Hill Nature Park Volunteer Work Party, St. Helens**

**Leaders: Scappoose Bay Watershed Council & Friends of Nob Hill Nature Park**

Nob Hill Nature Park is a unique 6.6-acre oak woodland overlooking the Columbia River from a basalt bluff “nob.” The Friends of NHNP have been doing restoration there since 2004. You can help maintain trails and native plantings with removal of invasive species. Dress for the weather, including rain gear if needed. Gloves, tools, water, and snacks are provided. Pre-registration requested by Friday, Nov. 1 by calling SBWC at 503-397-7904 or email [info@scappoosebay-wc.org](mailto:info@scappoosebay-wc.org). Meet at 451 Plymouth Street, St. Helens, across the street from the City Wastewater Treatment Plant. Look for the Nob Hill sign down the

hill.

**Saturday, November 9th, tours at 10:00 a.m., 1:00 p.m. and 3:00 p.m.**

**OSU Herbarium Tours to benefit the Oregon Flora Project (donation event)**

**Host: Stephen Meyers, Taxonomic Director of OregonFlora**

Here's a rare opportunity to visit the herbarium/museum of the largest collection (approximately 500,000) of dried plants in Oregon, located on the Oregon State University campus in Corvallis. Visitors will see specimens from "pioneer botanists" (collected as long ago as the 1870's) to the modern day. You will also learn why preserving these specimens, and the herbarium itself, is important to future generations of researchers. You can contribute with a small donation to OregonFlora. Your donation will contribute to the ongoing publication of the "Flora of Oregon" (a three volume compendium detailing all plant species, subspecies and varieties known to exist in Oregon). It will also fund continuing updates of the Oregon Flora website, which contains detailed maps of all plant species, photos of nearly all species, and a guide to gardening with native species. **Location:** Dept. of Botany & Plant Pathology, Cordley Hall, Corvallis OR 97331 (park in the lot off SW Orchard Avenue entrance). Enter only door on that side of the building to find the Herbarium on the 1st floor, all doors on the right side access the Herbarium. Suggested donation is \$15 - \$25 online at <http://oregonflora.org/supportOFP.php> or bring a check made out to "Agricultural Research Foundation". Cash accepted with correct change. To register and arrange carpools from Portland, text Willow Elliott at 503-358-5848 or email [salixsky@hotmail.com](mailto:salixsky@hotmail.com). **The first 15 people to register by November 7th** will get on the tour list with a wait list kept.

**Thursday, November 14th, 7:00 pm**

**Program: Traditional Uses of Pacific NW Native Plants**

**Presenter: Greg Archuleta, Confederated Tribes of Grand Ronde**

Greg Archuleta is Clackamas Chinook, Santiam Kalapuya, and Shasta, and a member of the Confederated Tribes of Grand Ronde as an instructor for their Lifeways program. As an artist and educator, he teaches about the culture and history of the Tribes of Western Oregon, including ethnobotany, carving, cedar hat making, Native art design, and basketry. He will share seldom heard traditional gathering, preparation, and use of native NW plants used by many Indigenous Peoples of the NW for 1,000's of years. \*Note: Greg is a very popular speaker and seating is limited to 80; arrive early for a good seat!

### **Siskiyou**

To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to [announce-join@siskiyou.npsoregon.org](mailto:announce-join@siskiyou.npsoregon.org). No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike, make a suggestion, or provide feedback regarding the field trip program, please contact Katelyn Detweiler, [detweiler.katelyn@gmail.com](mailto:detweiler.katelyn@gmail.com). Join us on Facebook at: <https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon>

**Thursday, November 21st, 7:00 p.m.**

**Program: Landscaping Programs for Residential Water Conservation**

Kora Mousseaux from the Jackson County Soil & Water Conservation District will discuss xeriscaping, rain gardens, and other programs that help landowners and renters save water. Refreshments at 6:45pm, meeting and program at 7:00 p.m. Location: Southern Oregon University Science Building, Room 161. Free and open to the public.

### Umpqua Valley

Visit [umpquavalleynativeplants.com](http://umpquavalleynativeplants.com) for more information on chapter activities or to be added to our email list. Check out our Facebook page, [www.facebook.com/UmpquaValleyNPSO](https://www.facebook.com/UmpquaValleyNPSO). Not online - call Donna Rawson 541-643-0364.

We meet in Roseburg then carpool or caravan to destination. If you plan to participate, you must RSVP Rod Trotter 541-672-1907 or Donna 541-643-0364 to confirm your participation. Plans can change on short notice due to weather or flower bloom. NOTE: Many field trip destinations offer no facilities. Umpqua Forest Service advises to protect yourself from mosquitoes in the high country this time of year.

\*\* We are organizing a monthly work party for landscape maintenance of the three native plant gardens we are continuing to enhance. If you like to work with plants and have some flexible time we could use your help. Contact Donna at 541-643-0364 (call or text).

### Willamette Valley

For program information, contact John Savage at 503-779-5414, [john@straubcenter.org](mailto:john@straubcenter.org).

### William Cusick

Chapter notices and communications are done primarily through a Google group. For more information or to be added to the Google group, please contact Susan Geer at 541-963-0477 or [susanmgeer@gmail.com](mailto:susanmgeer@gmail.com). Find us on Instagram at [instagram.com/wm.cusick.chapter](https://www.instagram.com/wm.cusick.chapter). Our website is not currently functional.

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### **NPSO State Officers**

- President: Lisa Blackburn, [president@npsoregon.org](mailto:president@npsoregon.org)
- Immediate Past President: Kelli Van Norman, [past\\_president@npsoregon.org](mailto:past_president@npsoregon.org)
- Vice-president: Thea Jaster, [vice-president@npsoregon.org](mailto:vice-president@npsoregon.org)
- Secretary: Steven Yeager, [secretary@npsoregon.org](mailto:secretary@npsoregon.org)
- Treasurer: Cyndi Dion, [treasurer@npsoregon.org](mailto:treasurer@npsoregon.org)
- Directors: Dan Luoma, Karl Anderson, Stephen Meyers, Gail Baker, Jason Clinch, Sarah Ratay

### **Committees & Chairs**

- Budgets and Grants: [Dan Luoma](#)

- Conservation: [Dawn Anzinger](#)
- Friends Of The Oregon Flora Project: [Linda Hardison](#)
- Legislative: [Vacant](#)
- Membership: [Margaret Conover](#)
- NPSO Fellows: [Cindy Roché and Kareen Sturgeon](#)
- Rare & Endangered Plants: [Jason Clinch](#)
- Publications: [Cindy Roché and Kareen Sturgeon](#)
- Bulletin Editor: [Alix Danielsen](#) and Lisa Schomaker
- Webmaster: [Sunia Yang](#)
- More information about our NPSO Fellows [here](#).

Chapter Presidents and contact information [can be found here](#).



Website



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## Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study of  
Oregon's native plants and habitats

December 2019 - January 2020

Volume 52, No. 10



Photo by Lisa Schomaker.

Happy Holidays from NPSO! We hope you enjoy the December-January combined Bulletin.

**IT'S MEMBERSHIP RENEWAL TIME!**

The NPSO membership year is January to December. Now is the time for members to

renew for 2020. [To renew your membership, please visit our current website.](#) You can [renew online](#), or you can print out a [renewal form](#) and send it in with your payment.

#### **Member Categories and Information:**

Regular - \$25

Student - \$12

Family - \$35

Sustaining - \$60

Patron - \$125

Life Membership - \$500

Subscription Only - \$25

(Subscription Only, for the Bulletin and Kalmiopsis, is for individuals or institutions that wish to subscribe but do not need to have full membership status.)

Member benefits include the NPSO Bulletin (10 issues/year) & Kalmiopsis (usually once per year). Membership is for the calendar year. **New memberships enrolled on or after July 1 include the following year.**

It's also a great time to consider a tax-deductible contribution to our special funds. If possible, make a [donation online](#) (mail-in donations are also gratefully accepted - PO Box 902 Eugene, OR 97440). NPSO greatly appreciates your contributions to any of the following funds:

- The Leighton Ho Memorial Award is used for research projects in western Oregon
- The Rare and Endangered Plant Fund supports work with our most threatened plants
- The Augusta Rockafellar and Jean Davis Memorial Scholarships are awarded annually to a botany student at an Oregon college or university
- You can also include a contribution to [OregonFlora](#)

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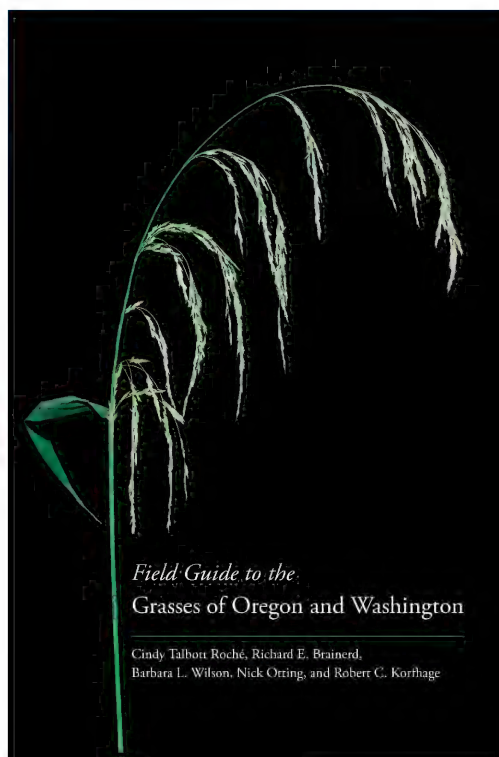
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If you prefer to read a hard copy, click on the link at the top of this email that says "view this email in your browser," and then "print" this e-newsletter as a PDF.

If you have any questions, please contact us at [bulletin@npsoregon.org](mailto:bulletin@npsoregon.org).

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## Book Review: *Field Guide to the Grasses of Oregon and Washington*



Cindy Talbott Roché, Richard E. Brainerd, Barbara L. Wilson, Nick Otting, and Robert C. Korfhage. 2019. Oregon State University Press. ISBN 9780870719592. 488 pp. soft cover. \$35

This is a review of the *Field Guide to the Grasses of Oregon and Washington*, a long-awaited book by a group of eminently-qualified and experienced botanists and ecologists. According to the authors, this work began in 2003 as a desire to complete a definitive reference work for the grasses of Oregon. Washington state was added later. I was asked to write a review of this field guide from the perspective of a field botanist/range conservationist who has dealt with, and often struggled with, grass identification over the course of several decades.

First, reading the 14-page introduction is crucial. Here you'll find an explanation as to why grasses are important, a discussion of what constitutes a grass and a bit about grass

identification in general. The bulk of the introduction consists of a section entitled “Grass Structure and Vocabulary” with the caveat “READ ME.” The authors aren’t kidding. Read and understand this section and you’ll know enough grass anatomy to be well on your way to becoming an agrostologist. This was enjoyable, even entertaining reading, enhanced by the inclusion of appropriate line illustrations. Completing the introduction are sections on grass biology and tips on how to use the book.

Following the introduction are the “Keys to the Genera of Grasses.” Starting at square one, dichotomous choices will take you first to “groups” and then to genera. Once you’ve determined (or guessed) a genus, the next section, “Genus Descriptions and Keys to Species” is where you need to be. Conveniently, this is organized alphabetically for all taxa. So if you key to the genus *Hordeum*, for example, thumb through the genus descriptions to *Hordeum*, and there you’ll find a key to determine species. So far, this is somewhat standard for most keys.

However, once you think you’ve identified your grass to species, then the next section, Species Accounts, is where this book really shines, not to slight the keys. Here you’ll (typically) find a page for each species, organized alphabetically. Generally two-thirds of each page is devoted to high quality, detailed photographs of each grass, from a general view of the plant itself all the way down to diagnostic features such as ligule size and shape, glume hairs and the like, including measurements where important. The rest of the page includes a map of the species’ occurrences from the Oregon Flora Project, a technical description, a brief habitat statement, and informative comments. Each species is also tagged as to its nativity (also indicated in the species keys), and, of course, the latest nomenclature is used.

As per the authors’ advice, one can either use the key, the species accounts, or both. For me, both are essential and my preference would be to use the key first, and then the species account to validate or refine. But if you know your genus, you could thumb through the species accounts to come up with an ID.

To test the key, I found a couple of dry, weathered specimens (all I could find mid-November) and worked them through. It seemed pretty easy but I can’t wait until next field season to really give it a workout.

Following the Species Accounts is a fairly standard glossary followed by a list of references and an index. The index is where you’ll find taxonomic synonyms.

What I really like about this book is that it’s technically correct yet friendly. For example, in the introduction is a brief discussion about spikelets being laterally compressed, cylindrical or dorsiventrally compressed. These can be intimidating words. However, the authors suggest you simply place the spikelet on a table and depending on how it orients itself, this will tell you how it’s compressed. In another case to determine if a spikelet is flat or not, it is suggested to just roll it between your fingers. These are simple “tricks” that only come with experience, and I’ve never encountered such helpful advice in any other key. It’s as if someone was looking over your shoulder helping you make sense of it all.

About the size of half a sheet of paper and an inch thick, the book is small enough to take with you to the field, and its glossy cover should provide some protection from the

elements.

If you care about grass identification, either as an amateur or professional, you need this book. From my experience, no other grass key is as useful and user friendly. Along with GPS, GIS, digital cameras and Google Earth, I wish I had this book 40 years ago.

-Ron Halvorson, *High Desert Chapter*

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## New Pacific Northwest Lichens Online Key



Photo by B. McCune

If you're interested in lichens, there's a new interactive online key available for common Northwest macrolichens. It's different from the more common dichotomous key. Put in the characteristics most obvious and certain and you'll get a list of most likely species which you can further refine or dig into. There are also over 1,200 beautiful pictures to look through.

<https://lichens.twinferntech.net/pnw>

Because this key is a little different than many others, it's worth the 15 minutes to read through the directions.

This is a year-long project by Bruce McCune and Sunia Yang. Bruce is an expert on Northwest lichens and a professor at Oregon State University (author of '*Macrolichens of the Pacific Northwest*', '*Microlichens of the Pacific Northwest*' and '*Common Mosses of Western Oregon and Washington*'). His data and photos form the core of the key.

Any feedback/comments are most welcome ([nwlichens@gmail.com](mailto:nwlichens@gmail.com))!

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# Take Your Best Shot: 2020 Native Plant Appreciation Week Poster Contest

Last chance to submit your photos for the 2020 Native Plant Appreciation Week Poster contest. **The deadline is Dec. 15th!**

Entries must be emailed to [npawphotos@npsoregon.org](mailto:npawphotos@npsoregon.org). Each person may enter two photos of Oregon native plants (photographed in Oregon with photographer name, scientific name, common name, photo location, and photo date). All entries must be received by December 15, 2019. Photos will be rated and selected by the poster committee based on subject matter, composition, and technical excellence. The poster designer has sole discretion of not using an image should it not work into the overall layout or is deemed to not be of satisfactory quality. The selected photographer(s) must be able to provide a high-resolution and preferably unedited image (at least 300 dpi) version of the image and must allow NPSO to reproduce the image free of charge for our poster, website, and related publicity material. If you have any questions, please email them to: [npawphotos@npsoregon.org](mailto:npawphotos@npsoregon.org).

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## Mark your calendar: NPSO Annual Meeting 2020

**NPSO Annual Meeting, May 29-31, 2020**  
**Spirit Mountain Lodge, Grand Ronde**

The Cheahmill Chapter, located in McMinnville, is pleased to announce plans for the NPSO Annual Meeting to be held on May 29-31, 2020 (the weekend after Memorial Day). The venue is the Spirit Mountain Lodge in Grand Ronde, situated between the mid-Willamette Valley and the coast, enabling us to offer field trips in the Valley, at the coast, and in the Coast Range.

Since the UN General Assembly recently declared 2021-2030 the Decade on Ecosystem Restoration, to “massively scale up the restoration of degraded and destroyed ecosystems...,” it is fitting that the theme for the 2020 Annual Meeting is “Ecological Restoration and Conservation of Willamette Valley, Coast Range and Coastal Landscapes.”

Field trip leaders include representatives from agencies and organizations involved in conservation, restoration and management of the sites we visit, such as the US Fish & Wildlife Service, the US Forest Service, The Nature Conservancy, the Yamhill Soil & Water Conservation District, the Institute for Applied Ecology, and the Confederated Tribes of Grand Ronde. We will visit oak savannas, prairies, coastal forests, and estuaries, many of which are being restored or actively managed for culturally significant plant species or for the protection of state and federally listed species. Two-thirds of Oregon’s wineries

are located in the Willamette Valley. We will visit wineries that are managing their lands to protect native habitats and species.

On Friday night, tribal members and staff will talk about the history of the Grand Ronde Reservation, efforts to grow culturally important native plants, the use of fire for habitat restoration, and how the academic field of restoration ecology is informing their practices. Our Saturday night banquet speaker, Ed Alverson, will update us on efforts to reconstruct historic Willamette Valley landscapes that serve as benchmarks for how to best manage these lands today.

In the March issue of the eBulletin, we will provide short descriptions of the field trips and a link to the meeting website that includes full descriptions of the field trips, registration materials, a schedule of events, and additional information about the evening programs, the venue and food, and lodging at the Spirit Mountain Lodge, the coast, and in the Valley.

Since only current NPSO members can attend the Annual Meeting, if you are not a member, click here to join ([www.npsoregon.org/membership.html](http://www.npsoregon.org/membership.html)).

Questions? Contact [annualmeeting@npsoregon.org](mailto:annualmeeting@npsoregon.org)

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## LAST CALL for Nominations for 2020 Fellows Awards

The Fellows Award is the highest honor bestowed in our Society, recognizing NPSO members for their exceptional contributions to the Society. The award comes with a certificate of recognition and lifetime membership in the Society. In addition to honoring the recipient, the Fellows Award informs the general membership of the good deeds and long-time commitment of some members in supporting our mission, as well as outstanding contributions to knowledge of native plants. The award serves to inspire and encourage newer members to make their own contributions to the Society.

We hope that individuals who are approached for nomination for the award will accept this recognition of their accomplishments. It's important for others to understand what it takes to run an organization staffed entirely by volunteers.

Guidelines for Fellows nominations are available online at [http://www.npsoregon.org/documents/NPSO\\_Fellows.4-4-16.pdf](http://www.npsoregon.org/documents/NPSO_Fellows.4-4-16.pdf) or by request from the Fellows Committee at [fellows@npsoregon.org](mailto:fellows@npsoregon.org). Nominations should be submitted to the Fellows Committee at that email address before December 31 (earlier submission is encouraged). Nominations must include an essay describing the nominee's accomplishments and a good quality digital photo of the nominee that is suitable for

publication. The Fellows Committee will evaluate nominations that meet the submission criteria and recommend awardees to the State Board. Awards will be presented at the next Annual Meeting; biographies and photos of recipients will be posted on the NPSO website.

- Kareen Sturgeon and Cindy Roché.

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## OregonFlora



By: Dr. Linda K. Hardison  
Director, [Oregon Flora Project](http://oregonflora.org)

Twenty-five years ago Scott Sundberg initiated the Oregon Flora Project. The Native Plant Society of Oregon and its members have been enthusiastic sponsors of the project since its formation. Your involvement has made it possible for this independently-funded effort to reliably provide accurate plant diversity information to individuals, non-profits, businesses, universities, and government agencies. It also gives the OregonFlora staff the opportunity to work with many people (such as yourselves!) who share our passion about native plants and their habitats.

We appreciate you and welcome your involvement in this critical work of documenting Oregon's botanical riches. Your financial contributions and volunteerism are helping us complete the Flora of Oregon, and to further share that knowledge through our website. Please give generously in support of this important cause.

Contributions can be made online ([www.oregonflora.org/supportOFP.php](http://www.oregonflora.org/supportOFP.php)) or mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320, Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include "OFP" on the memo line.

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# State & Chapter Notes

## State Notes/Announcements:

SAVE THE DATE!

NPSO Annual Meeting

May 29-31, 2020

Spirit Mountain Lodge, Grand Ronde

Hosted by the Cheahmill Chapter

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Chapter Notes:

Blue Mountain

For information on Blue Mountain Chapter, call Jerry Baker, 541-566-2244. To get on our email list, contact flora.id@wtechlink.us.

Cheahmill

For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at ch_president@NPSOregon.org.

Check out our Facebook page at <https://www.facebook.com/NPSO.Cheahmill/>.

Meeting and work party location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. The library parking lot may be entered from either Adams or Second streets. Meetings start at 7 pm. Doors open at 6:45 pm for socializing.

Thursday, January 23rd, 6:45 p.m. - 8:45 p.m.

Program: A Rose by Any Other Name: The Pros and Cons of Plant Name Changes

Stephen Meyers, the taxonomic director of OregonFlora (aka Oregon Flora Project), will give a short review of current developments to OregonFlora, and lead a discussion of past and recent plant name changes. How and why did these changes occur? Do these changes contribute to or impair botanical communication? Attendees will be able to add their voices to the debate. Location: Carnegie Room, McMinnville Public Library; see above for details.

Saturday, January 25th, 10:00 a.m. - 12:00 p.m.

Work Party: Native Plant Garden at McMinnville Public Library

Spend a couple hours between 10 and noon with a congenial crew and get to know native plants with our new green plant markers. Learn how the beauty, diversity, and

educational value of this mature demonstration garden is maintained with a minimum of effort. Bring gloves, bucket and gardening tools if you have them. For more information, contact Catie Anderson at catie.fishback@gmail.com or [503-435-2401](tel:503-435-2401). Location: McMinnville Public Library, see address above.

Cheahmill is hosting the 2020 Annual Meeting:

SAVE THE DATE!

NPSO Annual Meeting

May 29-31, 2020

Spirit Mountain Lodge, Grand Ronde

Corvallis

For questions, information on upcoming events, or to be on the Corvallis Chapter email list, contact co_president@NPSOregon.org. Find us on Facebook at facebook.com/CorvallisNPSO.

Monday, December 9th, 7:00 p.m. - 9:00 p.m.

Winter Celebration at Amy Rossman and Christian Feuillet's house, 1808 NW Sunview Dr., Corvallis

Bring a snack/dessert to share as we socialize. Bring up to 15 slides to show and plan to limit sharing to ten minutes. Please note the new location and time. For information contact Judi, judi.sanders@gmail.com.

Monday, January 13, 7:30 p.m. - 9:00 p.m.

Chapter Meeting, Room 2087, Cordley Hall, OSU

"Exploring for wild relatives of fruit and nut crops in Central Asia (Armenia and Georgia)" by Joseph Postman, Retired USDA/ARS Germplasm Curator. He notes, "the Caucasus Mountains region is considered to be the 'center of origin' or 'center of diversity' for a number of temperate fruit crops including European pear, quince, hazelnut, Persian walnut (often referred to as English walnut), fig, pomegranate and vinifera grape. Collecting Germplasm from this region is a strategy for assembling genetically diverse ex situ collections for use in agriculture and for conservation."

Emerald

Our chapter meets the 3rd Monday at 7 pm, September through April, at the Amazon Community Center. Visit the Emerald Chapter website at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

Monday, December 16th, 7:00 p.m.

Program: Holiday Social--Botanical Destinations and Stories.

Attendees are invited to bring 10-12 photos on a flash drive to show and recount their botanical adventures over the year. Bring a snack or beverage to share. We try to make this a no-waste event so please bring your own beverage cup, small plate, utensil and napkin if possible. Location: Amazon Community Center, 2700 Hilyard St., Eugene.

Monday, January 20th, 7:00 p.m. - 9:00 p.m.

Program: Pacific Northwest Native Plants in Gardens and Landscapes

Sheila Klest from Trillium Nursery will discuss how to create different garden styles using Pacific Northwest natives, how to use natural plant associations to find plants that grow well together, and how to evaluate what plants might do well on your site. She will discuss growing conditions and some propagation tips, and how to use native plants for hedgerows and farmscaping. Location: Amazon Community Center, 2700 Hilyard St., Eugene.

Monday, February 17th, 7:00 p.m. - 9:00 p.m.

Program: Maximizing Ecosystem Services in the Eugene/Springfield Area Through the Strategic Planting and Management of Trees

This talk will discuss current efforts by the City of Eugene and its community partners to better understand and address the many social, economic, and environmental challenges that face our community, especially those efforts related to long-term urban forest planning/management and the planting of trees. Special emphasis will be given to the City's 2021 x 2021 Planting Initiative. Speaker Scott Altenhoff is a municipal arborist & urban forester with the City of Eugene's Parks and Open Space Division. Location: Amazon Community Center, 2700 Hilyard St., Eugene.

Filipendula

For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, carlajeancole@gmail.com.

All year: North Oregon Restoration Partnership potting days in Tillamook, OR at the nursery, with Maysa Miller

We will share the volunteer activity dates, and encourage everyone to join during the year to help the nursery with potting up native plants. It's a great way to pick up new skills in potting and handling native plants. Contact Carla Cole to sign up; her email address is carlajeancole@gmail.com.

High Desert

For information, visit the High Desert Chapter website: www.highdesertnpsoregon.org and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email highdesertnps@gmail.com. Sign up for hikes at <http://www.highdesertnpsoregon.org/>.

Wednesday, January 8th, 6:30 p.m.

Botany Pub Talk: Climate Change, Plants, and Future Possibilities

Presenter: Christina Veverka, Botanist, Deschutes National Forest

Location: Worthy Brewing, 495 NE Bellevue Dr., Bend, OR 97701

Klamath Basin

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com>.

Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at mc_president@NPSOregon.org.

Portland

We are excited to announce the launching of the Portland Chapter Website at <https://portlandnativeplants.org/> in December! Outings and Programs along with photos and articles from members about the Metro region and Columbia River Gorge will be found there. Field Trip outings and Programs are posted on the NPSO Meetup - Portland Chapter page at <https://www.meetup.com/NPSO-Portland/> and also at <https://www.facebook.com/nps.portland/>. Our Facebook page is regularly updated with current bloom status and photos. The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm.

MEETING PLACE: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We meet in the Copeland Commons; enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont Streets.

Thursday, December 12th, 7:00 p.m.

Program: Holiday Member's Photo Show

Presenters: All members who attend with their plant photos

The annual holiday gathering open to members and the public to view gorgeous images brought by members from their travels to highlight native plants they found in unexpected places! The photos need to be on a thumb drive compatible with Microsoft Power Point software if you'd like to show your collection up to 10 minutes in duration. Bring finger foods or a beverage to share and experience a fun tradition for Portlanders.

Thursday, January 9th, 7:00 p.m.

Program: A Rose by Any Other Name: The Pros and Cons of Plant Name Changes

Presenters: Stephen Meyers, Taxonomic Director of OR Flora Project

After a short review of current developments by the Oregon Flora Project, Stephen will discuss past and recent plant name changes; species and families alike. How and why these changes occur, as well as when they contribute to or impair botanical communication will be covered and debated.

Siskiyou

To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyounpsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike, make a suggestion, or provide feedback regarding the field trip program, please contact Katelyn Detweiler, detweiler.katelyn@gmail.com. Join us on Facebook at: <https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon>

Thursday, December 12th, 6:00 p.m.

Holiday Potluck: Serpentine Ecology

Where mantle rocks are found on the earth's surface, you will also find exquisite landscapes, red rocks, and rare and unusual plants. Serpentine ecology describes the interactions between mantle-derived soils (or serpentine soils), plants and animals, and the environment. In SW Oregon, we are lucky to have significant "wacky soils." This introductory talk will be presented by botanist and educator Kristi Mergenthaler. Feasting begins at 6pm and the presentation starts around 7pm. Please bring a potluck dish, table service (plate, silverware, glass, cup), and a food donation for the Talent Food Project. Sorry, no alcohol. Note new location: Phoenix Grange located at 209 N. Main Street, Phoenix, OR 97535. To view a map: <https://www.phoenixgrange.org/> Free and open to the public.

Umpqua Valley

Visit umpquavalleynativeplants.com for more information on chapter activities or to be added to our email list. Check out our Facebook page, www.facebook.com/UmpquaValleyNPSO. Not online - call Donna Rawson 541-643-0364.

We meet in Roseburg then carpool or caravan to destination. If you plan to participate, you must RSVP Rod Trotter 541-672-1907 or Donna 541-643-0364 to confirm your participation. Plans can change on short notice due to weather or flower bloom. NOTE: Many field trip destinations offer no facilities. Umpqua Forest Service advises to protect yourself from mosquitoes in the high country this time of year.

** We are organizing a monthly work party for landscape maintenance of the three native plant gardens we are continuing to enhance. If you like to work with plants and have some flexible time we could use your help. Contact Donna at 541-643-0364 (call or text).

Willamette Valley

For program information, contact John Savage at 503-779-5414, john@straubcenter.org.

Thursday, January 16, 6:00 - 7:00 pm

Program: Making Room for Wapato: Reclaiming an Important First Food and Vanquishing a River Invasive

In 2016, through its Willamette Wildlife Mitigation Program to conserve critical habitat, the Oregon Department of Fish and Wildlife (ODFW) bought a 290-acre island west of Salem that became the Gail Achterman Wildlife Area. The site holds one of the largest populations of Wapato (*Sagittaria latifolia*) on the mainstem Willamette River. It is also home to the aggressive invasive Water Primrose (*Ludwigia hexapetala*) that threatens to replace the Wapato and congest waterways throughout the valley. ODFW biologist Ann Kreager will describe the Willamette Wildlife Mitigation Program and provide an overview of the cultural, biological, and ecological significance of Wapato and the Water Primrose. She'll also discuss the efforts to reclaim and manage the Gail Achterman Wildlife Area to sustain the Wapato population and other critical native species. Ann has worked in the conservation biology field for over 30 years. She joined the ODFW in 2003 and currently manages the agency's properties bought through the mitigation program. She completed undergraduate and post-graduate work in biology at San Diego State

University. The talk is open to the public and no reservations are required. Cost: a \$5 suggested donation at the door. Location: Dye House, Willamette Heritage Center, 1313 Mill Street SE, Salem. For more information, call John Savage at 503-779-5414 or email john@strauboutdoors.org.

William Cusick

Chapter notices and communications are done primarily through a Google group. For more information or to be added to the Google group, please contact Susan Geer at 541-963-0477 or susanmgeer@gmail.com. Find us on Instagram at [instagram.com/wm.cusick.chapter](https://www.instagram.com/wm.cusick.chapter). Our website is not currently functional.

NPSO State Officers

- President: Lisa Blackburn, president@npsoregon.org
- Immediate Past President: Kelli Van Norman, past_president@npsoregon.org
- Vice-president: Thea Jaster, vice-president@npsoregon.org
- Secretary: Steven Yeager, secretary@npsoregon.org
- Treasurer: Cyndi Dion, treasurer@npsoregon.org
- Directors: Dan Luoma, Karl Anderson, Stephen Meyers, Gail Baker, Jason Clinch, Sarah Ratay

Committees & Chairs

- Budgets and [Grants](#): [Dan Luoma](#)
- Conservation: [Dawn Anzinger](#)
- Friends Of The Oregon Flora Project: [Linda Hardison](#)
- Legislative: [Vacant](#)
- Membership: [Margaret Conover](#)
- NPSO Fellows: [Cindy Roché and Kareen Sturgeon](#)
- Rare & Endangered Plants: [Jason Clinch](#)
- Publications: [Cindy Roché and Kareen Sturgeon](#)
- Bulletin Editor: [Lisa Schomaker](#)
- Webmaster: [Sunia Yang](#)
- More information about our NPSO Fellows [here](#).

Chapter Presidents and contact information [can be found here](#).



Website



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